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ARCHITECT
& BUILDING NEWS

20 JANUARY 1955 · VOL. 207 · NO. 3 · ONE SHILLING WEEKLY

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*but tomorrow
does come*



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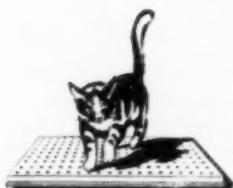
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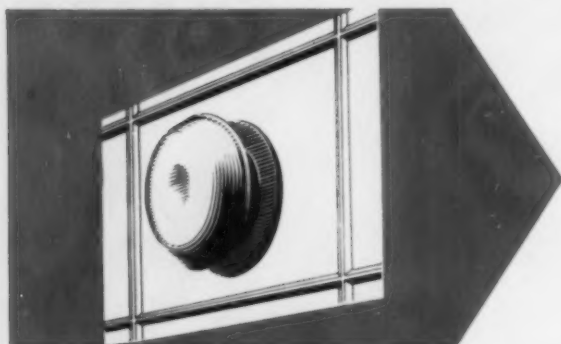
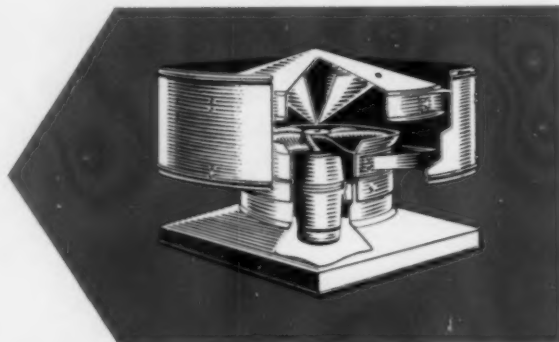
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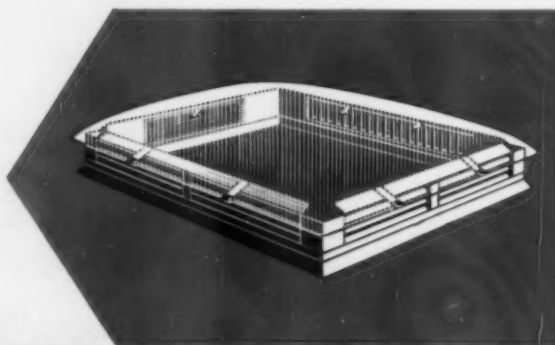


RECTANGULAR VENTILATOR WITH STANDARD GLASS DOME

Designed for roof-lighting and ventilating interior corridors and rooms, constructed in suitable sizes to carry standard sized glass domes, this unit provides natural ventilation via weatherproof external louvres, with internal hit and miss shutters incorporated if desired.

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The silent lightweight fan unit for window mounting that ensures healthy fresh-air conditions in office, restaurant, factory or home. Operated from any 5-amp electric point without special wiring. Constructed from aluminium alloy, enamel finished to resist weather and corrosion. Available in 3 models: standard, closable and lightproof each in 2 sizes, 6" and 9".

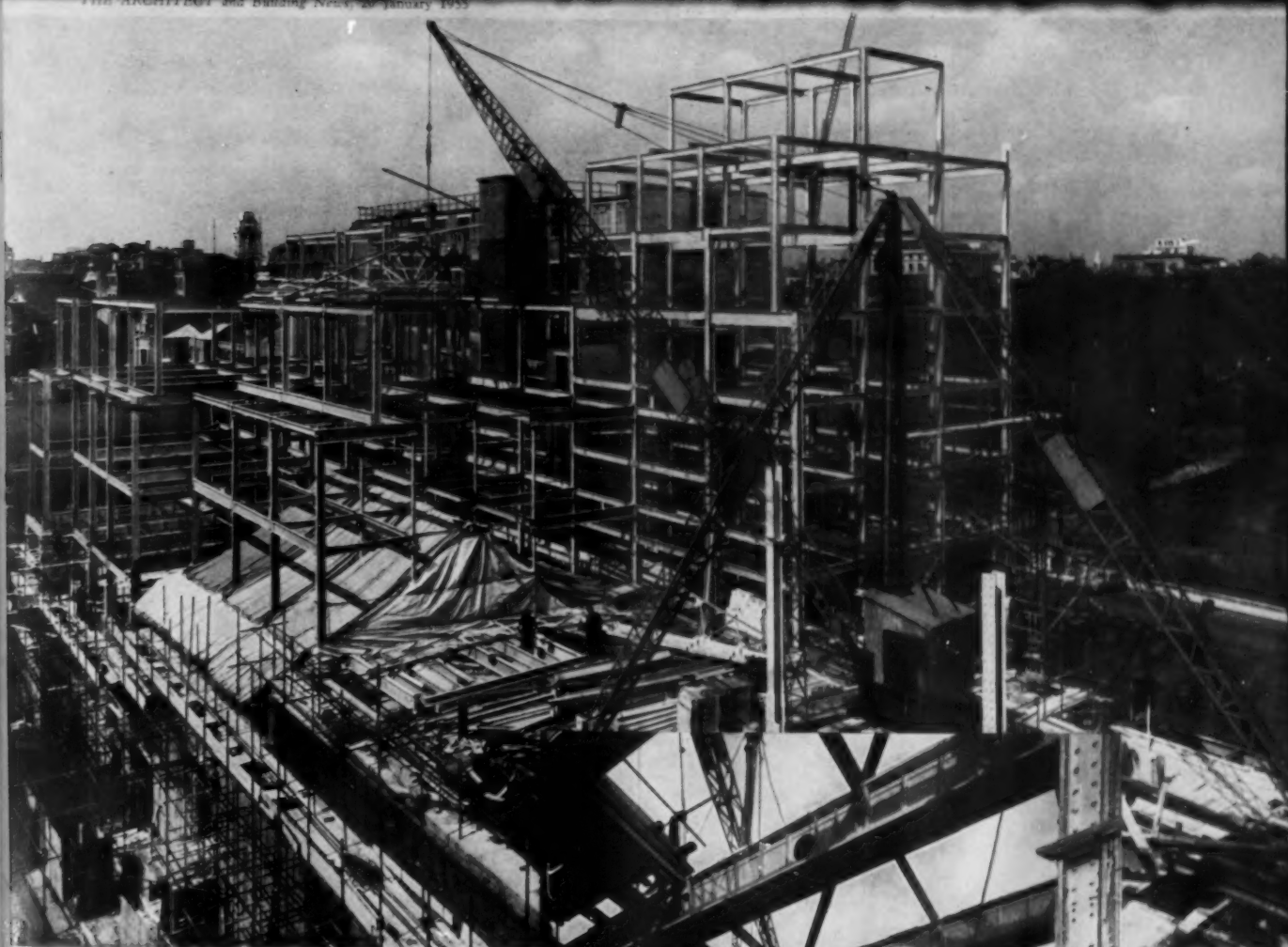


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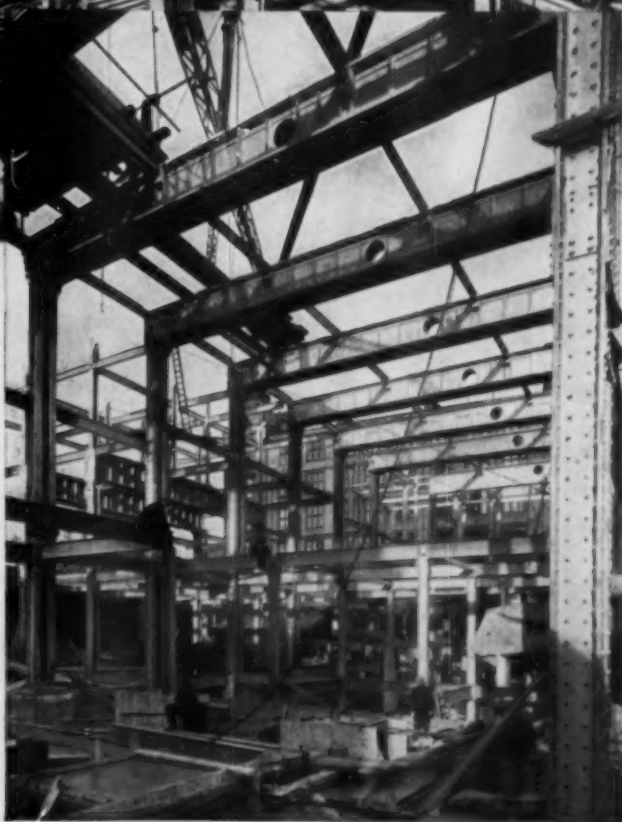
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CHAncery 8135 6/7. "Airvac", London.



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OF ENGLAND

Lincoln's Inn Fields
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D.Sc., M.I.C.E., P.P.I.STRUCT.E.
Contractors :
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WOODLANDS RIDE ESTATE
SOUTH ASCOT · BERKS

Architect :

L. Beddall Smith, Esq., A.R.I.B.A.

Illustrated in this issue



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WERE SPECIFIED
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ATTRACTIVE
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OF SLOUGH, BUCKS.



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Metal Windows

Wallspace Curtain Walling

Metal Doors

Aluminium

Metal Door Frames

Reffen Toilet Cubicles

Tally ho from Sussex to Wiltshire

Do not be unduly surprised if Mr. Wellesley-Davies* visits your site on horseback. It is not that he despises motor cars—time was when he participated in junior car club rallies! But he keeps two horses and horses need exercise and riding is splendid exercise for a man. Mr. Wellesley-Davies, who manages the Southampton area which includes Hampshire, Dorset, Wiltshire and Sussex, has been with Williams & Williams for over twenty years. He has an immense dislike of paper work and so gets through it with remarkable efficiency. In short, here is a man with a refreshing outlook on life. Worth meeting.

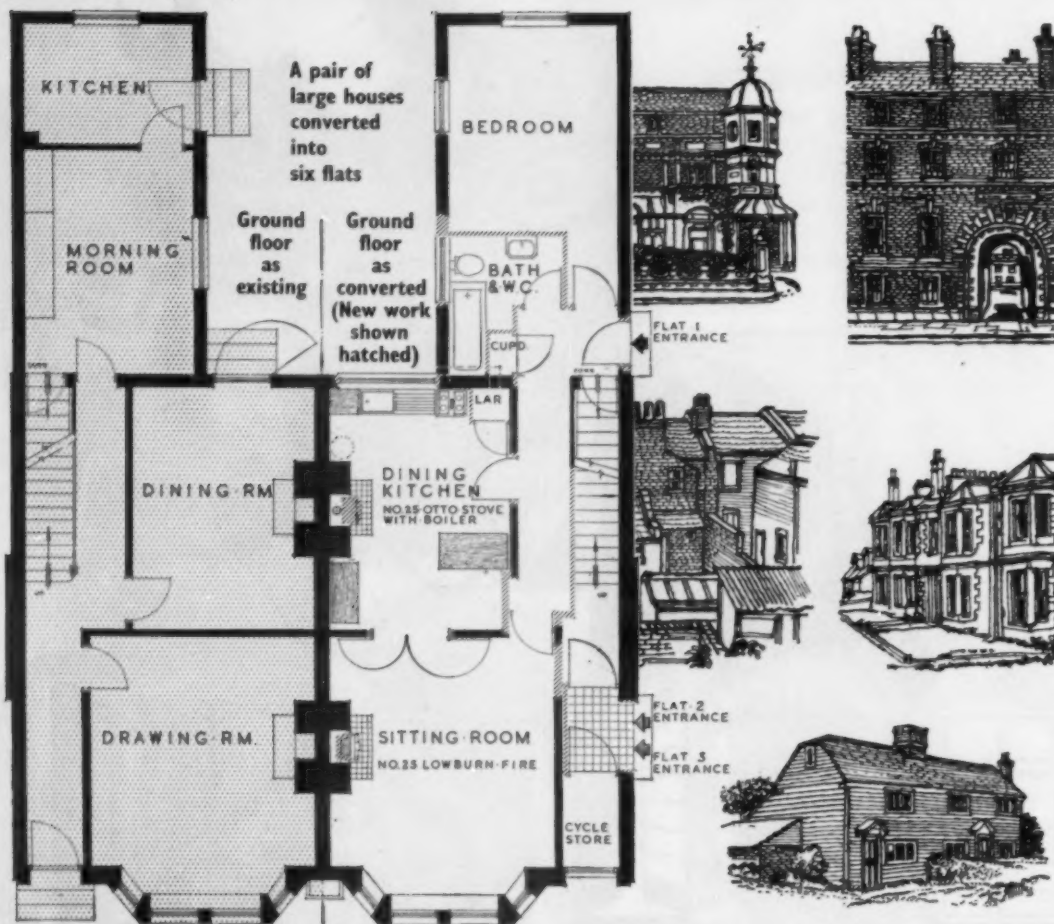
* **MR. G. WELLESLEY-DAVIES, WILLIAMS & WILLIAMS LTD.**
22 Carlton Crescent, Southampton (26252).

Other offices at: Belfast (23762). Birmingham (Shirley 3064). Bristol (38907). Bromley (Ravensbourne 6274). Cardiff (27092). Crawley (2200). Glasgow (Douglas 0003). Hertford (3969). Leeds (21208). Liverpool (Central 0325). London (Sloane 0323). Maidstone (51750). Manchester (Blackfriars 9591). Newcastle-upon-Tyne (21353). Nottingham (52131). Reading (50291). Sheffield (51594).

METAL WINDOWS

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Improvements and Conversions of sub-standard houses

The first practical reference book and 'working paper' dealing with this expanding field of architecture.

This book covers new ground: it is not yet another presentation of well-known facts: it answers questions asked by Architects and Municipal Authorities who are concerned with the problems of improvements and conversions.

This informative book is based on the experience of the technical staff of Allied Ironfounders who have discussed the problems with Architects and Municipal Authorities throughout the country. The book is divided into sections. In order of importance these are:

Plans and Proposals. Five main types of houses have been dealt with by Mr. Michael Shepherd, B.Arch., A.R.I.B.A. The four and five roomed urban terrace houses; agricultural dwellings, large houses and tenements which convert into flats.

Complete sets of plans, sections, elevations and perspective drawings are given for each type. Drawings and explanations of work involved are based on existing houses.

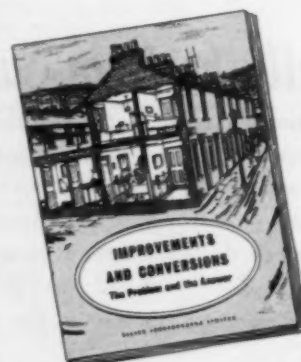
Questions of Law. This section answers your queries on Circulars and Acts, Grants, rent increases and Local Authority loans.

Questions of Fact. The general statement of the improvements and conversions task.

Situation Survey. Illustrated examples of work in progress up and down the country; with notes on costs.

Tools for the job. A detailed review of appliances required for improvements and conversions, including cookers, water heaters, space heaters, kitchen equipment and baths.

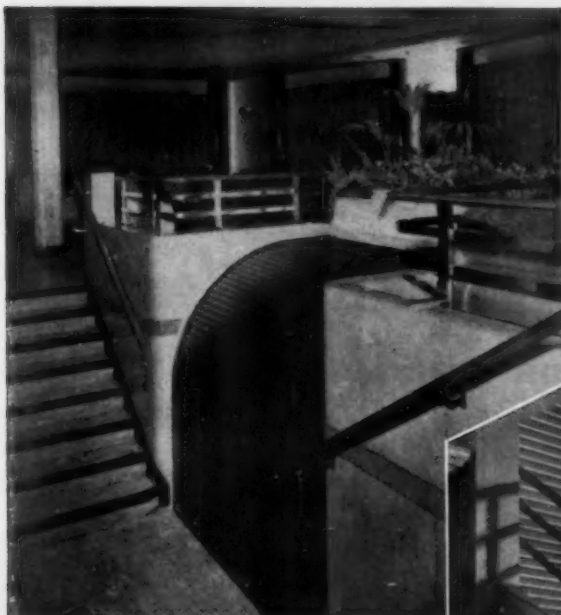
This book has been prepared for practising Architects, Surveyors and Municipal Authorities. Please write and ask for a copy, giving your office address, to:—



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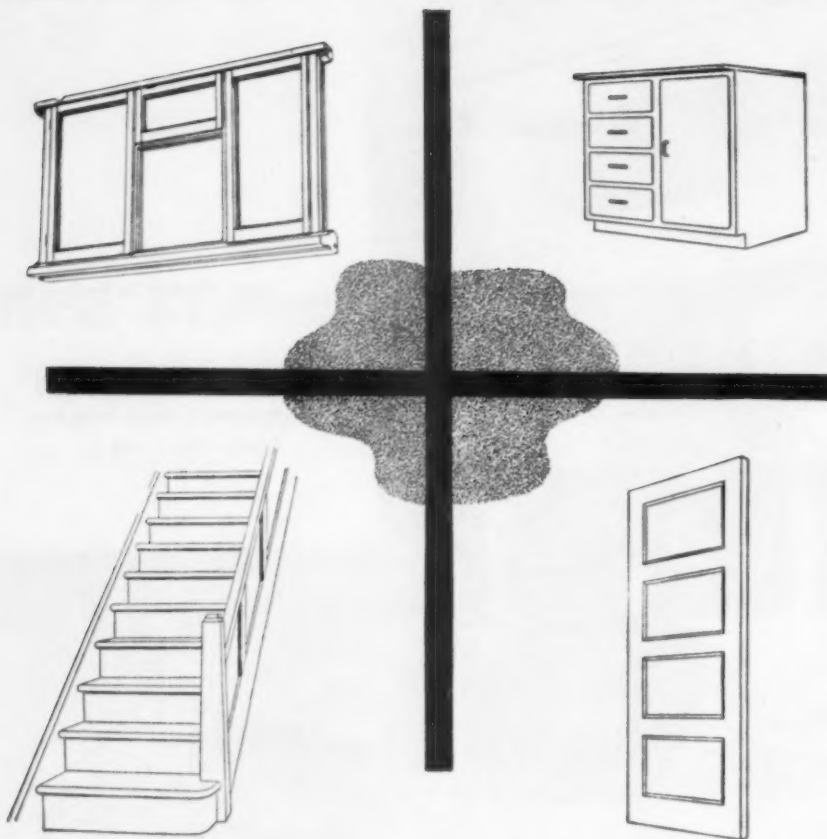


Design Block for De Havilland Aircraft Company Limited

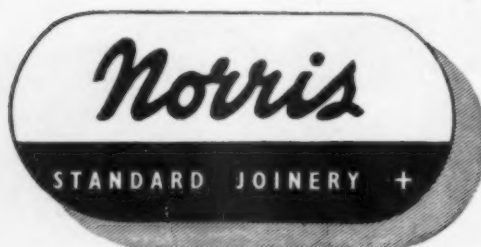
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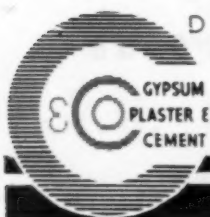
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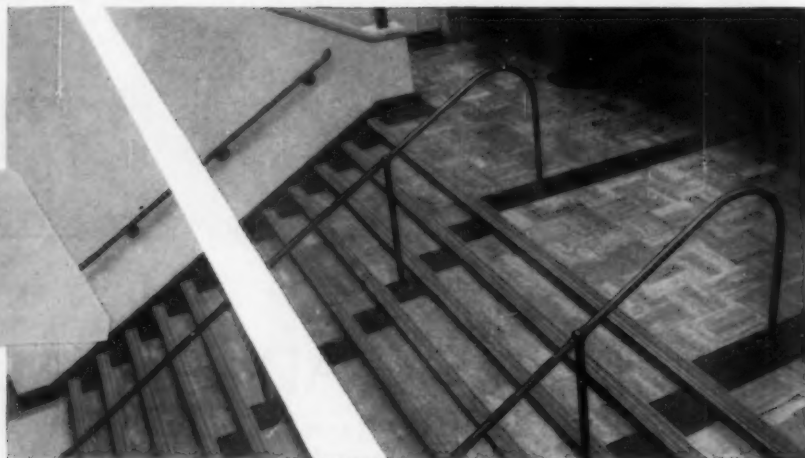
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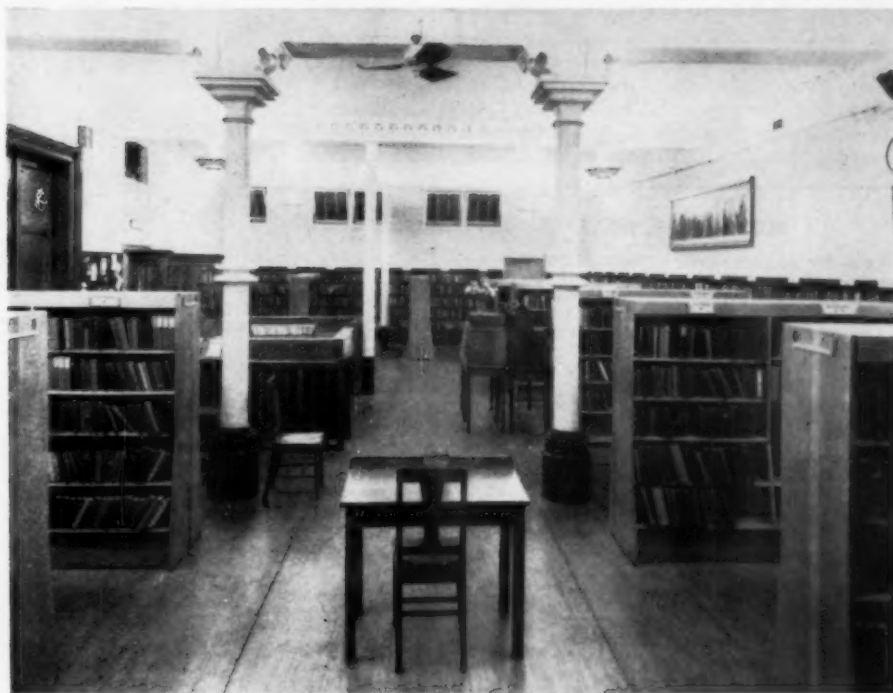
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By courtesy of the BOROUGH LIBRARIAN

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The photograph was taken by its own light, *i.e.*, without any auxiliary lighting.

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The high intensities so often advocated are unnecessary and undesirable, for if we normally use no more than we really need, we shall always be able to see by the higher intensities when these occur, whereas if we get used to needlessly high intensities we shall lose the power of seeing by the lower intensities. Normally about 5 foot-candles should be ample for all ordinary purposes, and when it is considered that a foot-candle simply means the light given by a candle a foot away, it will be realised that 5 foot-candles evenly distributed means that at every point in the room you have the equivalent of 5 candles a foot away. It may be doubted whether there would be enough candles in London to light an average-sized room with this all-round intensity! Yet many so-called experts advocate 10, 20 and even 50 or more foot-candles; this can only cause severe eyestrain, besides being grossly extravagant. Incidentally the term "foot-candle" was evidently considered too simple and self-explanatory to please the pundits, as it has been changed to "lumens per square foot," which conveys nothing to the layman. As Oscar Wilde said in one of his plays, "To be intelligible is to be found out!"

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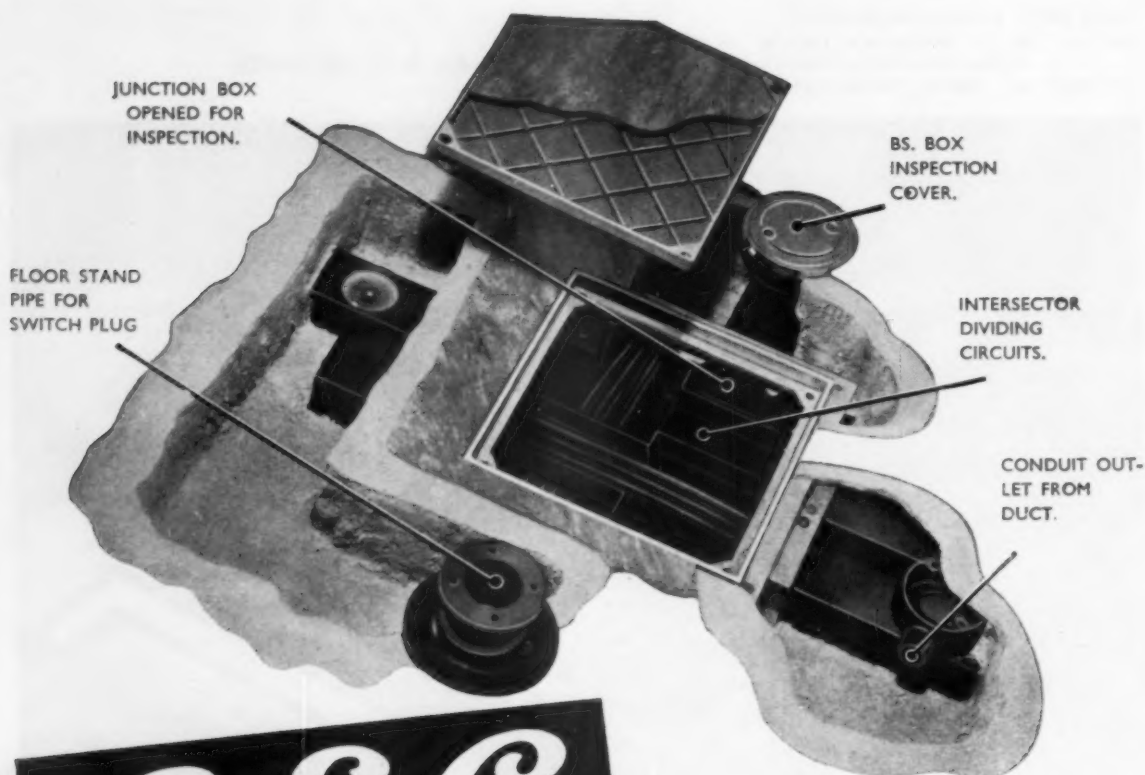
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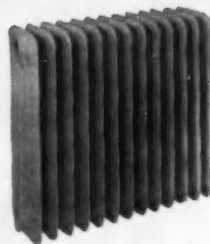


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Four column
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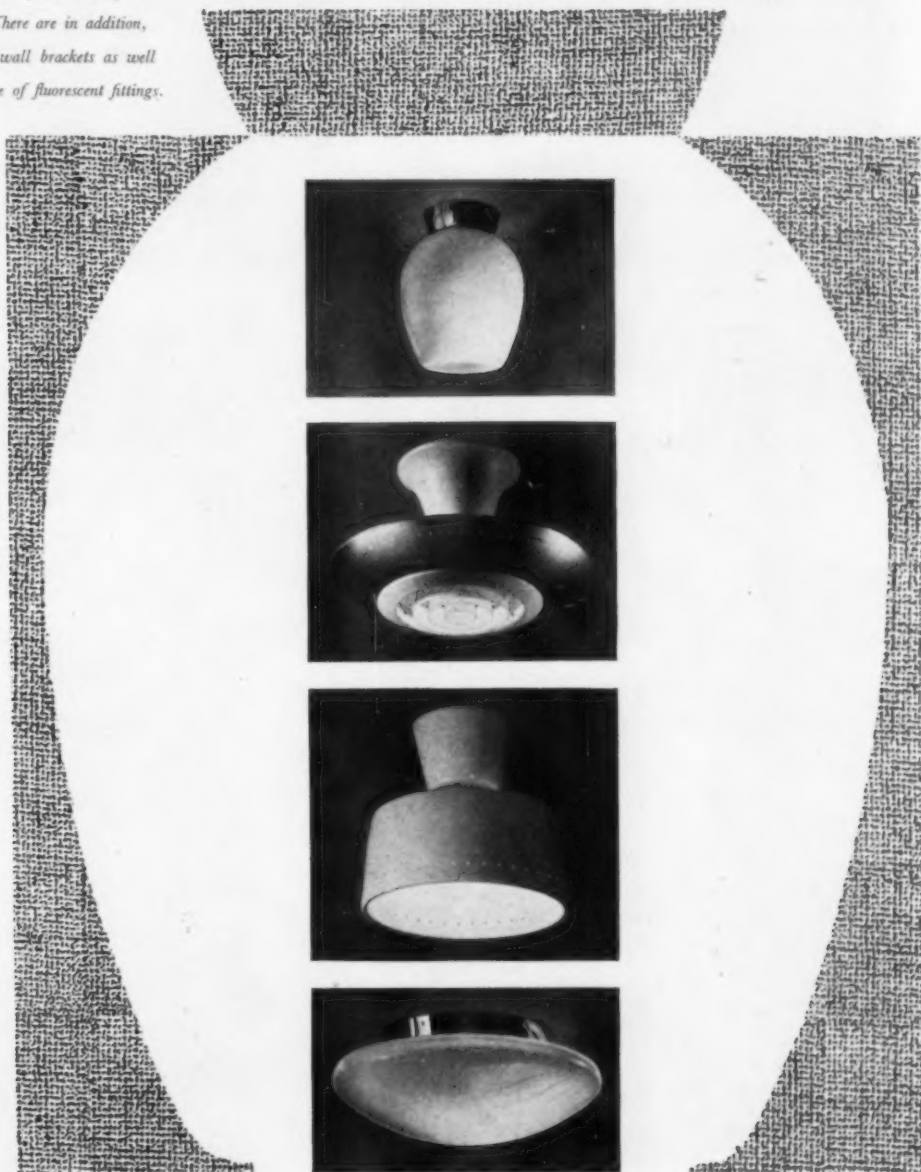
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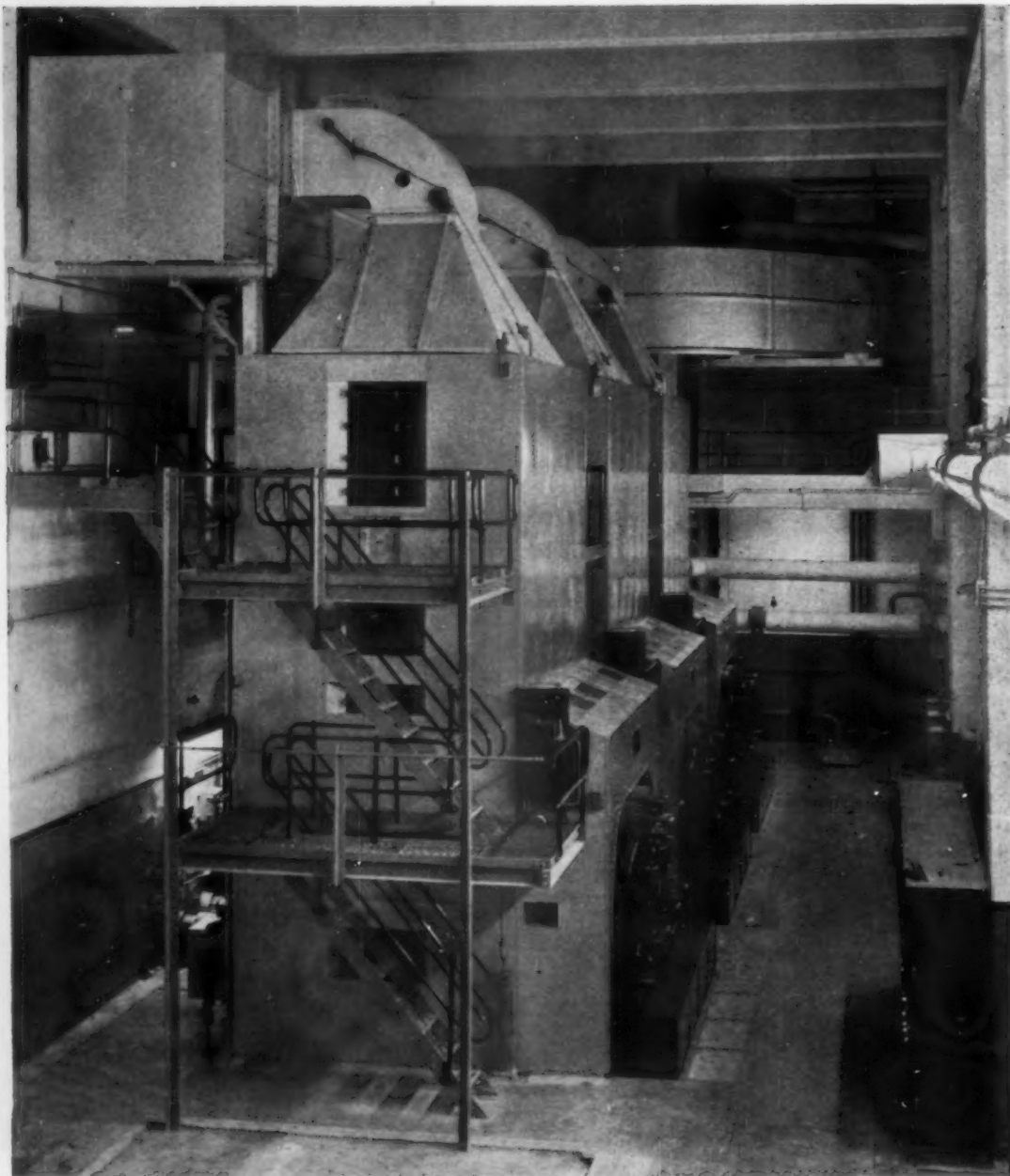
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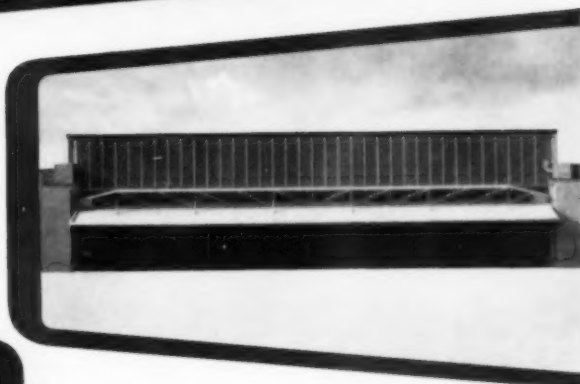
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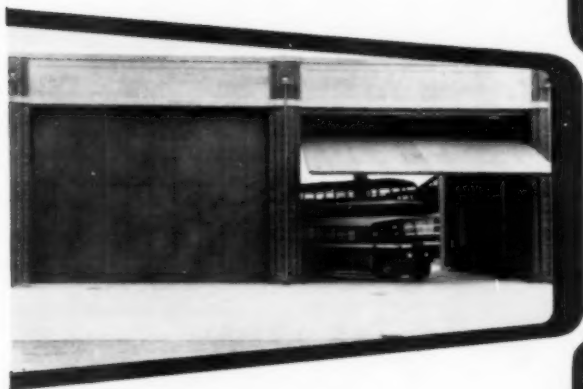
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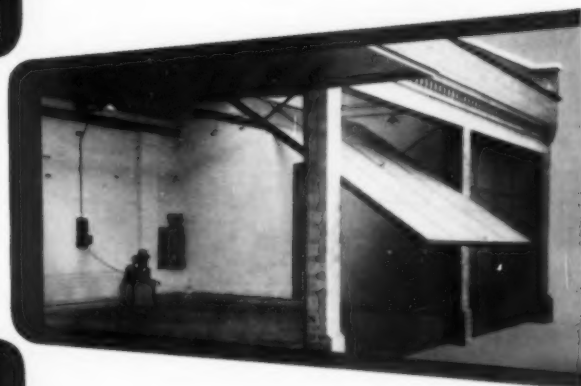
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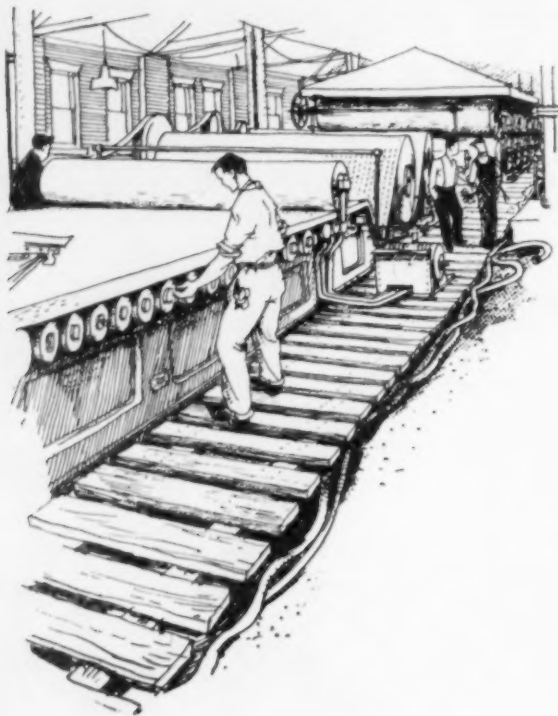
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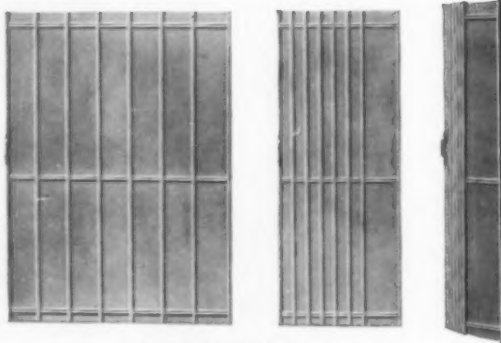
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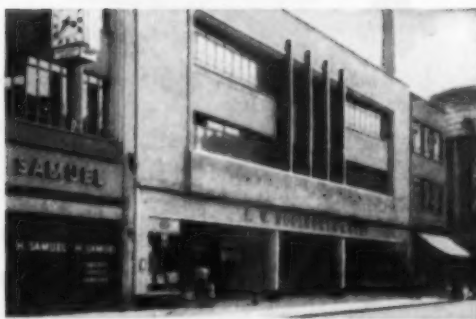
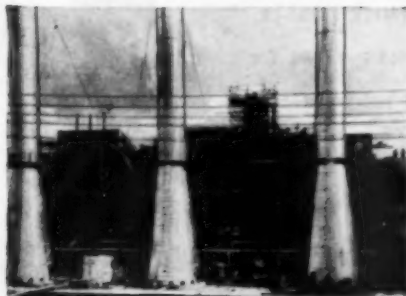


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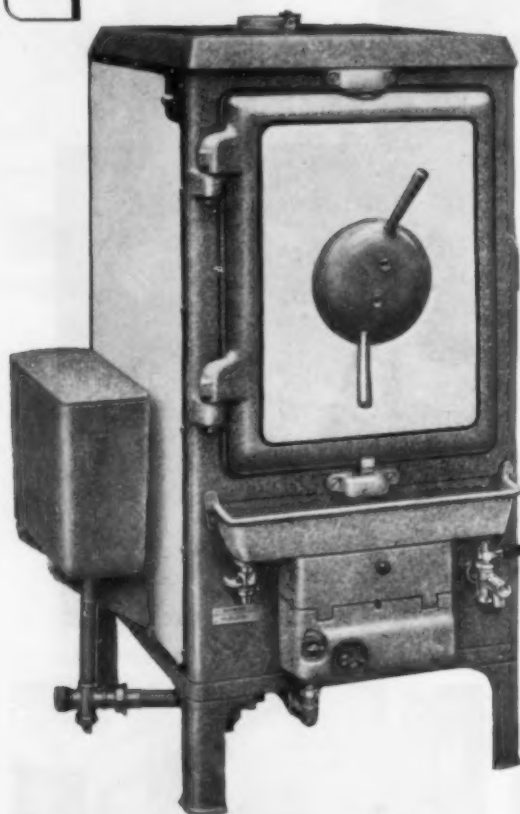


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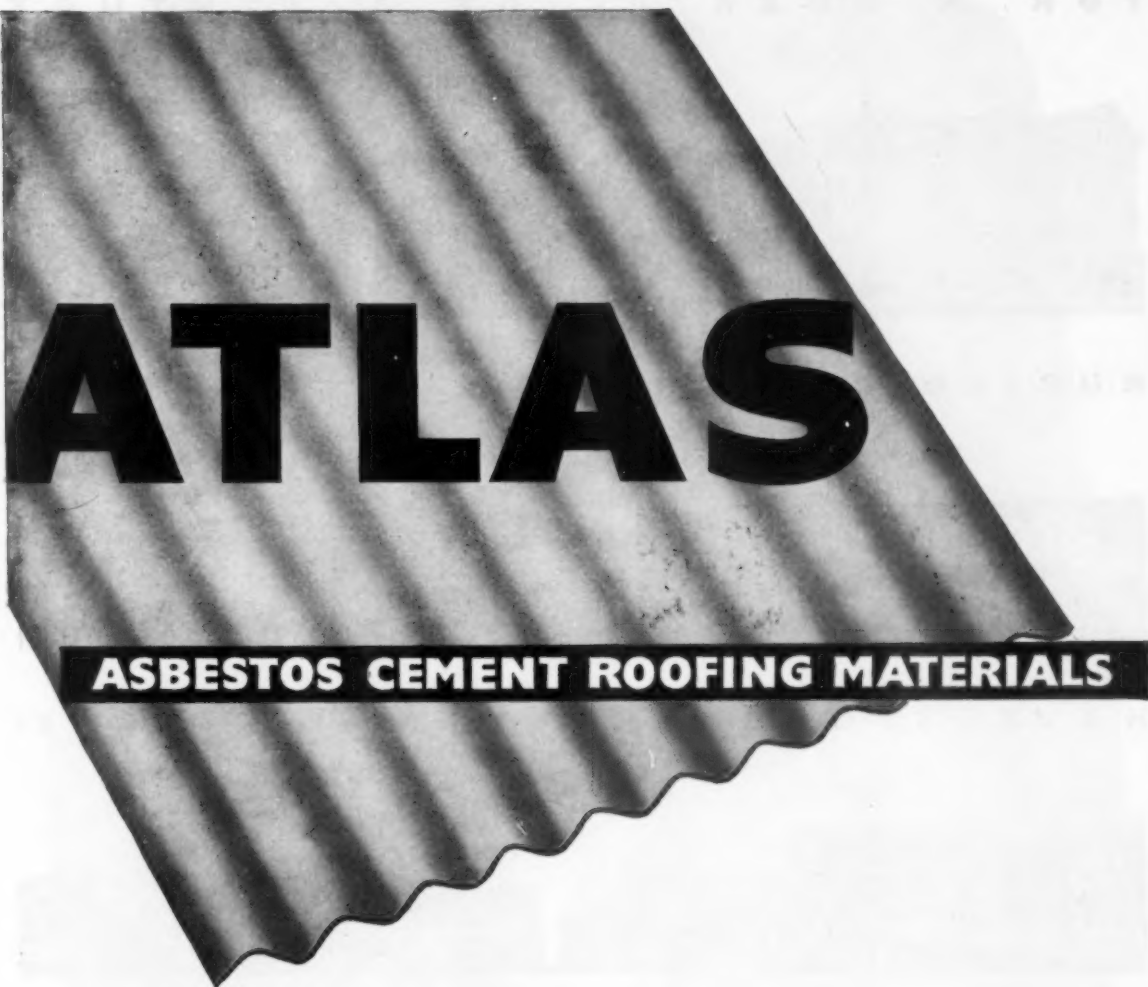
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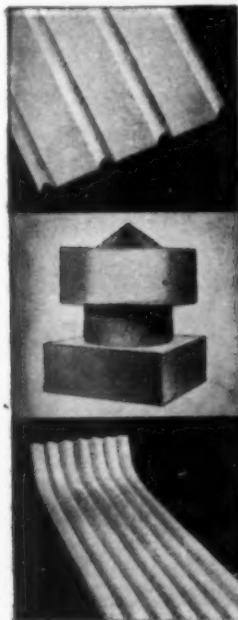
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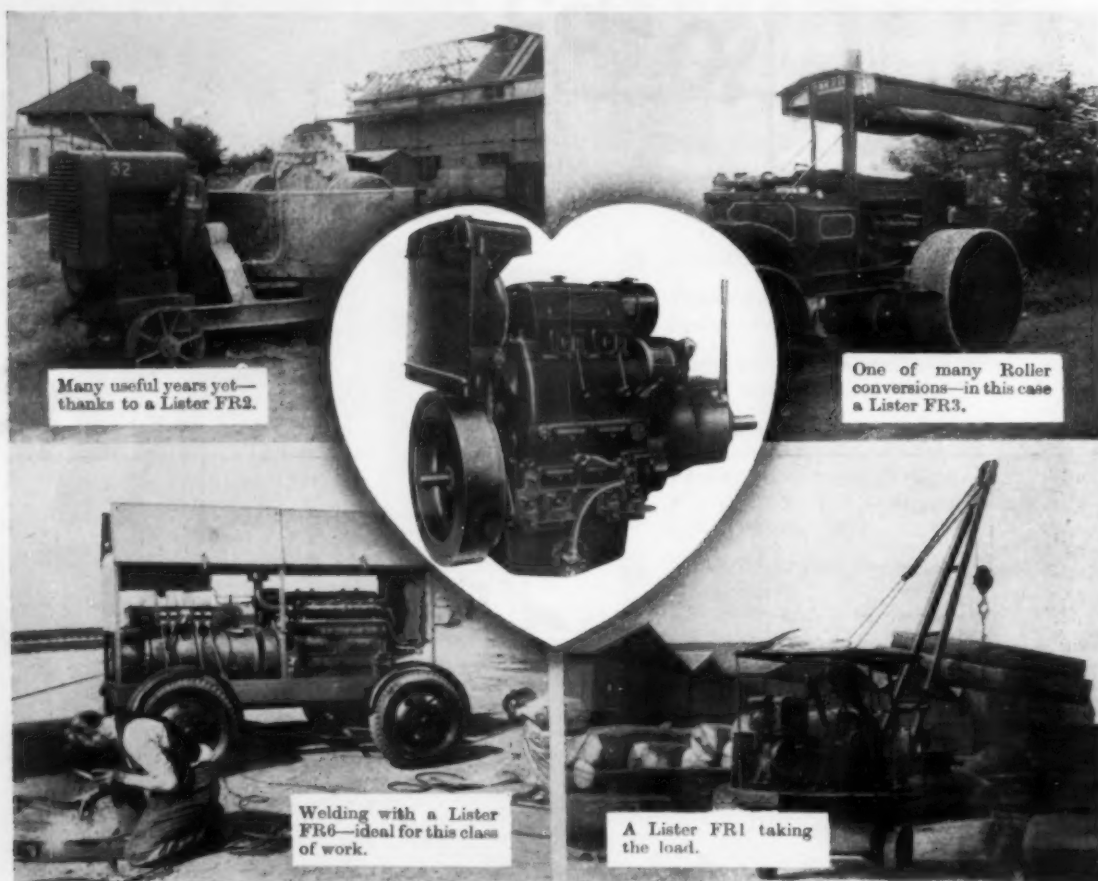
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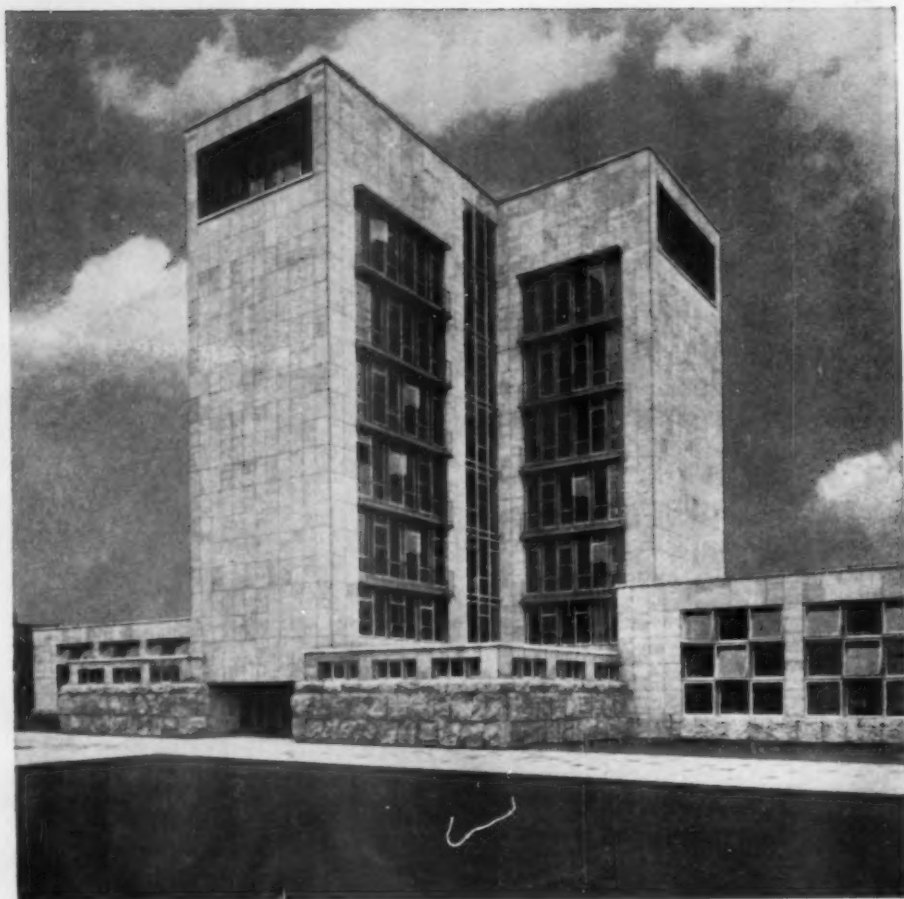
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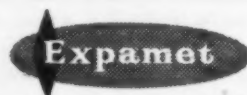
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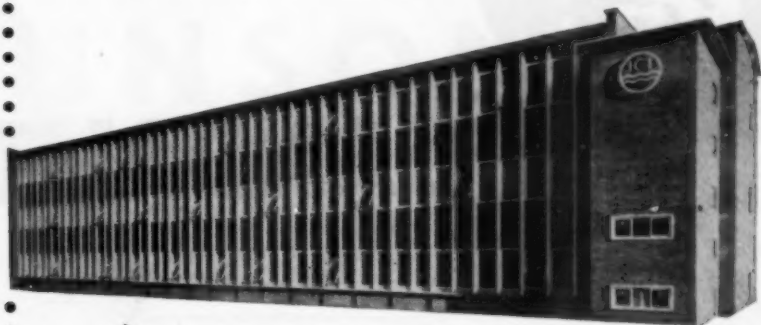
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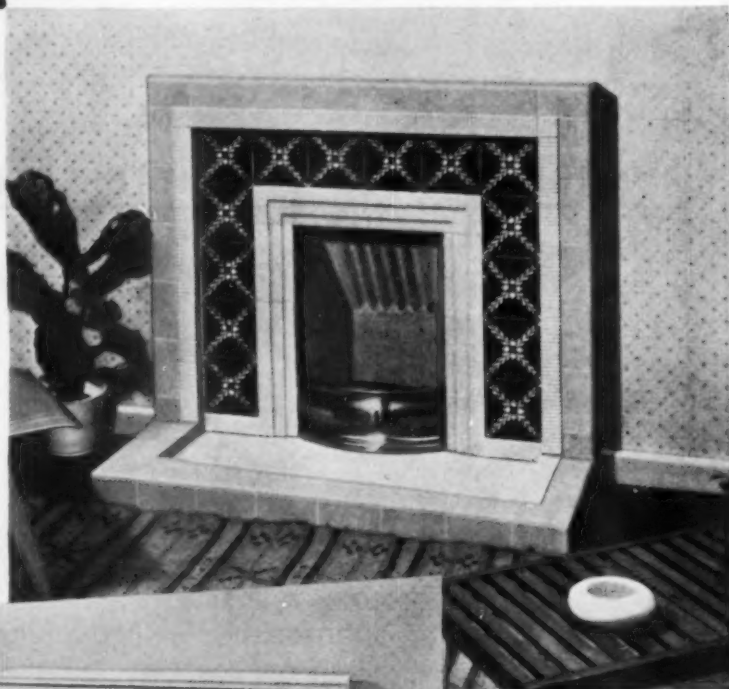
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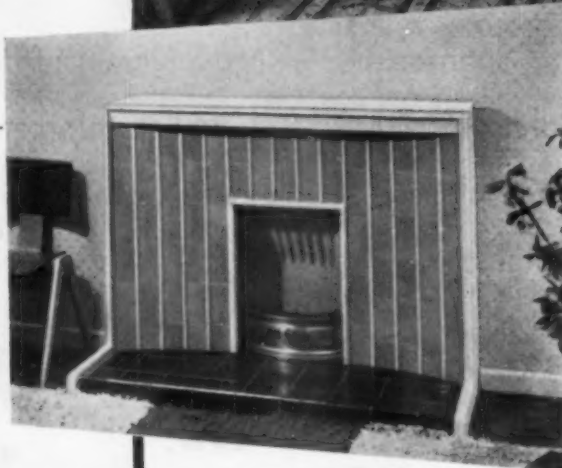
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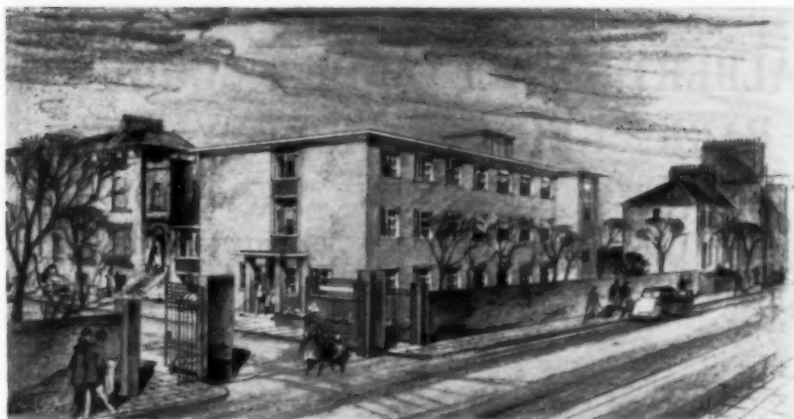
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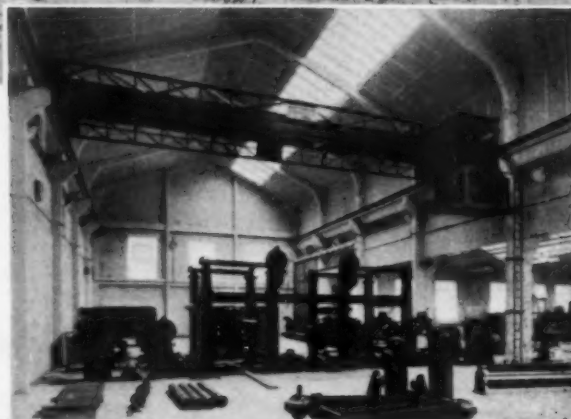


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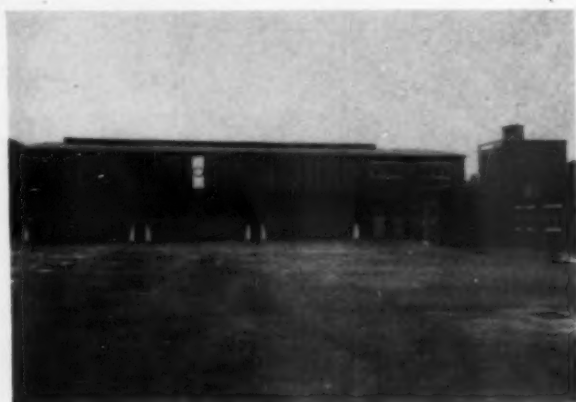
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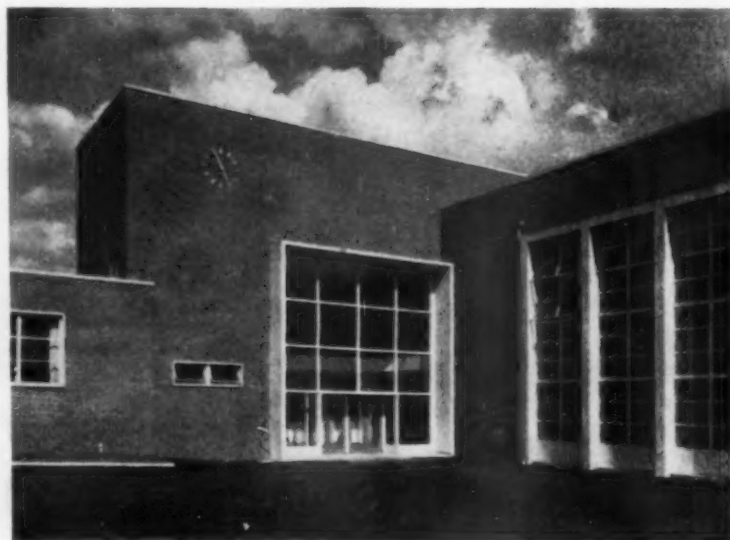
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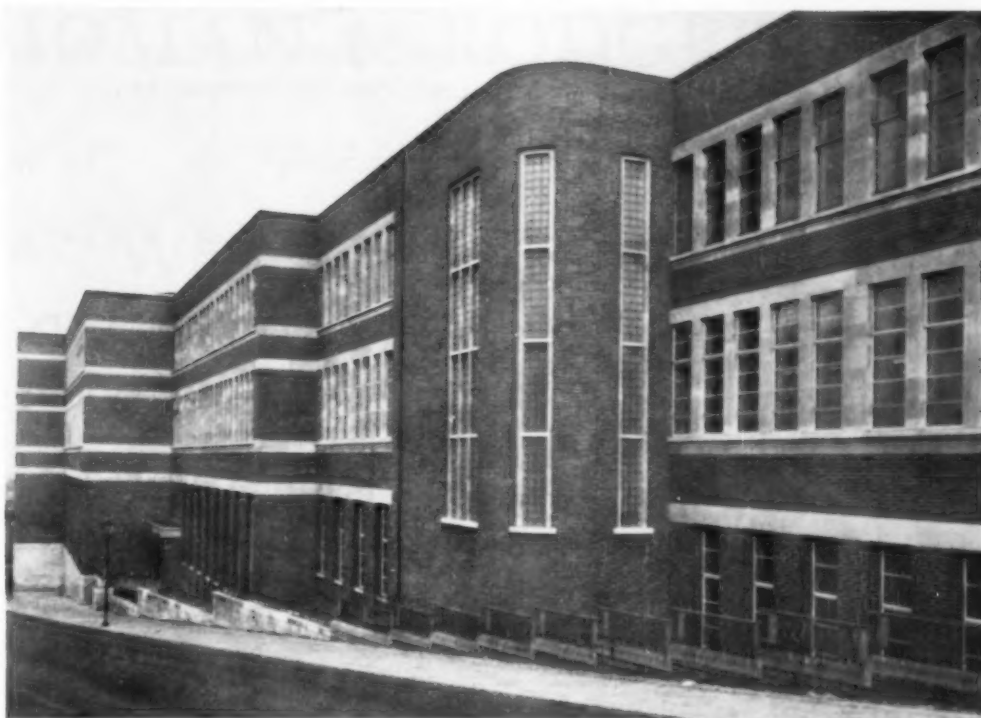


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THE ARCHITECT & BUILDING NEWS

20 January 1955

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A PROSPEROUS NEW YEAR ?

THERE is in the building industry generally the conviction that this is going to be a boom year. Building and Civil Engineering is expected to increase by about 5 per cent (£100 m) over 1954, compared with that year's improvement of 3½ per cent over 1953. But owing to the long time lag between plan and execution the full benefit of the lifting of control by licensing will probably not be effective until 1956.

It is anticipated that building materials with the possible exception of structural steel and fletton bricks will meet the increased demand, since production in this field has continued to rise. Productivity also rose by an estimated 4 per cent during 1954, and, if this trend is maintained, there should be no serious shortage of labour according to the *Financial Times*.

Although builders take a very favourable view of the future, the operatives are demanding an increase in wages of 4d an hour, which would add £40 m a year to the total wages bill. The operatives' view is that the years 1952 to 1954 showed the highest profits ever made by the industry and they see no reason why the consumer should be made to pay any more on their account.

Last year more houses were completed than in any year since the war, and this year the target will be the same or a little above (340,000-350,000).

The Federation of Registered House Builders expect to complete 100,000 houses for sale in 1955. The Government's immediate programme is the "New Homes for Old: Improvements and Conversions" scheme which offers grants of 50 per cent of the cost up to £400 per dwelling. Up to the beginning of 1954, only 6,000 such grants had been made in four years.

The Government last year also asked all local authorities for an estimate of their slum dwellings; there may be a million of them in the whole country.

The Minister of Housing and Local Government has announced his intention of "breaking the back" of the slum problem during the next ten years.

In the City of London the Corporation has passed plans for nearly 120 sites and work is in progress on 50 to 60 of them. At some date anytime after October 2 of this year it will be an offence for any building in the City to emit smoke.

In the 14 New Towns work increased in tempo during 1954. About 13,300 houses were built bringing the total to 38,300 to serve a population of 108,000 out of an estimated ultimate figure of 490,750. The area of factory floor space completed was 4,680,000 sq ft and another 2,811,300 sq ft is under construction.

Nineteen new schools were finished last year and there are now 49 of them. Forty-three more are in course of erection. A hundred and ten new shops went up. The total is now 437. The New Towns corporations spent £35½ m during last year out of a total up to date of £107 m. The problem of overspill remains with us and threatens the green-belt schemes. The "expanded towns" idea has been slow in gaining momentum and so far work is progressing in only two of them—Bletchley and Swindon.

The traffic problem is another piece of unfinished business to be faced this year. It has been aptly said that "town planning is the art of trying to make life tolerable in spite of the motor car."

Mr. Hugh Molson put it another way when he said that a great increase in the planning of transport was the only way to avert a serious choking of our economic life. What is needed is that "work should go out of London, not that residents should stay there."

The L.C.C. would like to build a new town themselves so that they could claim to have made a direct contribution to the housing problem. In the meantime the Council is strongly opposing the

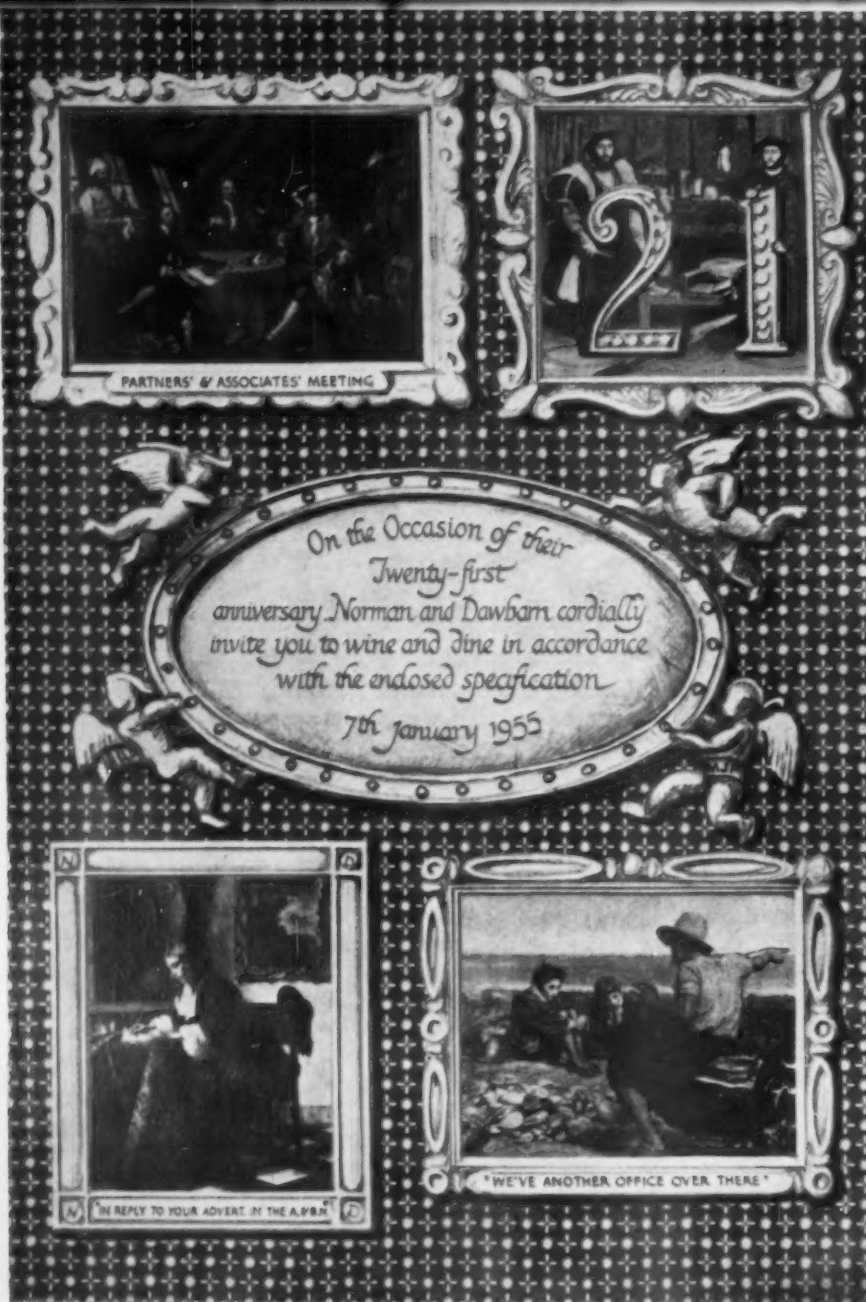
EVENTS AND COMMENTS

HARROGATE

I hear that one or more pairs of speakers are to perform at the 1955 British Architects Conference at Harrogate. The first pair is said to be Sir Thomas Bennett and Mr. David Woodbine Parrish. I do not know how the pairs are to work but, if they are to be used in opposition to discuss shortcomings in the industry, a fairly weighty second pair, such as Sir Luke Fawcett and that efficiency expert, Mr. What's-his-name will be required. If, on the other hand, harmony, agreement, a solid front and "the team's the thing" are the main aims, perhaps we shall have Mr. Ove Arup and Mr. O. A. Davis, the leading quantity surveyor.

Alternatively, if the subject were to be the thorny one of education in the industry, we might find that the second pair consisted of Mr. Thomas Scott, of the Northern Polytechnic, and Mr. Michael Patrick, of the A.A. With such a quartet there would, at the very least, be a lively exchange of views.

Since all live discussions now follow radio and TV practice, the meeting will almost certainly need a chairman with buzzer and bell. Who more suitable than the P.R.A.? Surely, in his one year of office, it would be verging on rudeness not to invite him to take an active part in the Architects Congress. If the venue is not exactly Bath, it is at least a Spa.



See comment on facing page

increase of density in the area and the L.C.C. who, in 1954 completed 8,500 houses and flats, have set this year's target at 7,000.

The intake of the schools of architecture is now getting back to normal and some firms of architects may not find it easy to get the trained and experienced assistants they will need.

1954 will also be remembered for the agitation concerning an exclusively architectural trade union. The first move this year has been made by the Royal Institute, which refuses to move. This brings us almost up to date.

UNICEF PARTY

The London staff of the U.N.I.C.E.F. Christmas Card fund gave a party last week at the Nursery Schools' Association's offices to thank those who had helped with their publicity. I understand that they made £46,000 this year, compared with £32,000 last year, and had a crisis, as it were, in mid-stream because they ran out of cards and had to obtain more from America.

I met Lady Allen of Hurtwood at the party and she told me that she is working on a scheme for the finest Adventure Play Ground in the world, which is to be laid out on a large site provided by the L.C.C. She hopes that, when the time comes, builders will contribute materials from the junk in their yards.

NORMAN & DAWBARN—TWENTY-ONE

What makes a great firm of architects? If you were asked to reel off the names of the great firms your list would be very similar to mine. Long establishment certainly has a good deal to do with fame, specialization sometimes brings fame, but comprehensiveness of experience is really a better pointer. Continued prosperity brought about by satisfied clients, a reputation for doing good work and a growing staff set the seal on an outstanding firm.

It seems to me that Norman and Dawbarn, who celebrated their twenty-first anniversary with a dinner and dance last week, fill the bill for fame. They are, perhaps, still a little young to be a household word, but under the inspired leadership of the late Sir Nigel Norman and Graham Dawbarn, they were, before the war, years ahead of everyone—the Air Ministry included—in the design of aerodromes and their buildings. It was aerodrome work which led the firm to include engineers on their staff, and this has continued as a definite policy under Richard Lloyd Jones, who joined in 1934 and became a partner in 1937. Since the war they have designed every type of building from housing to universities and airport buildings to television studios. Like all good firms they have many old clients and their very large staff is nearly twice as large as it was in 1939.

The party at the Trocadero was notable for a number of reasons. Partners, associates and staff and their ladies or escorts were, of course, present, but there were a number of special guests. Clients, distinguished brother architects who had some special connection with the work of the firm, quantity surveyors and old members of the staff, including Whitfield Lewis, Arthur Wintle, Alexander Gibson, the assistant editor of the *Architect and Building News*, George Mansell, who has the distinction of bearing the N. and D. staff No. 1, and Abner, who cannot remember what his number was, but it was quite an early one.

There were some amusing and interesting speeches. Undoubtedly the best of a good lot came from Lady Perkins (the former Lady Norman) who recalled the firm's early days and brought back to us what a very remarkable man Sir Nigel was. He founded two firms, Airwork, Ltd., the company which is about to start operating the first privately owned transatlantic air freight service, and Norman and Dawbarn.

My picture shows the cover of the "Dinner Specification" which was designed by a member of the staff, Mr. M. J. Peto. The original, signed by everyone in the firm, was presented to Mr. Graham Dawbarn.

DRY CONSTRUCTION IN BUILDING

The Cape Asbestos Company was *en fête* at the Building Centre all last week. The proceedings were set in a smart temporary exhibit showing the uses of Asbestolux and started with a "Colloquium" on dry construction, which attracted a large and distinguished audience from the industry. The platform party may have had something to do with this, for it was last year's Torquay team (William Allen and Edward Mills) with Peter Trench in the chair—and what a very good chairman he is. The discussion was quite lively and many well-known people took part. So restrained were the promoters of the evening that I began to fear that their product was not even going to be mentioned. However, the chairman of the company, Mr. Giles Newton, said a few words before the

party broke up to partake of a very good buffet supper at 8.

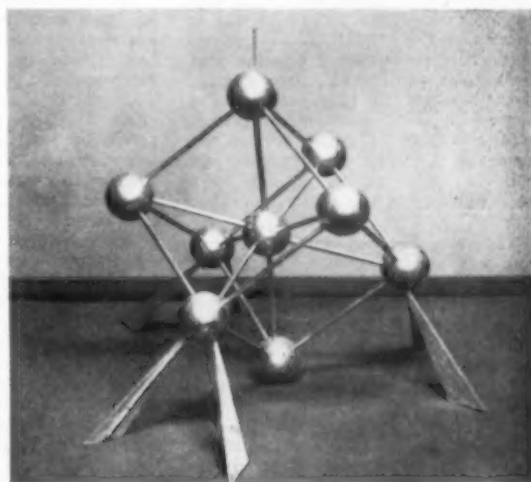
The provision of refreshments at this type of function is usual. Unkind people say that if there is no bar there will be no Press. On the other hand, I heard comment that to bring a crowd of people straight from their offices at 6 and to keep them from food and drink until 8 was rather cruel. The invitations gave no indication of the time at which supper would be served. A cup and a bun before the proceedings started would have been well received.

Mr. Peter Trench, a trained staff officer, told us how long the proceedings would last and saw to it that they ended on the dot. Oh, how I wish other chairmen would do the same!

On other evenings during the week receptions and meetings were held with the object of explaining the uses of Asbestolux in dry construction. One of these meetings was mainly devoted to the Modular Society.

SIR DAVID ECCLES, Hon. F.R.I.B.A.

I am very pleased to hear that the R.I.B.A. council has honoured Sir David Eccles. He has for a considerable time shown the liveliest interest both officially and personally in architecture. Sir David's interest in good architecture rather than mere building perhaps accounts for the fact that he is more highly esteemed among architects than among builders. Sir David has struck many shrewd blows in the cause of good architecture and has made his personal feelings about the rebuilding of the City of London quite plain. It is not often that a Minister of the Crown is prepared to be so forthright when speaking about the arts.



MORE ABOUT BRUSSELS 1958

My picture shows a model of the main feature for the fair. Doubtless you will recognize the molecular structure of Iron Alpha. Oddly enough, it will be made of high resistance Belgian steel and will be 458ft high, each of the spheres will be 65ft in diameter. There will, it is said, be a fine view from the top sphere. The spheres will be connected by escalators and will house electronic and nuclear exhibits. The contraption was designed by Belgian engineer André H. Walckeyn and architect André Polak. And what will the P.R.A. say to this?

ABNER

NEWS OF THE WEEK

Hertfordshire's 100th Post-war School

At the opening of Ravencroft Secondary Modern School, Barnet, on January 17, the Minister of Education, Sir David Eccles, said:—

At the Ministry of Works we followed with admiration the school building programme and not least the achievements of the Hertfordshire County Council. I often encouraged my architects, who were hoping to build post-offices, labour exchanges and so on, to have a look at what you were doing, but never did I think I should have the privilege of celebrating with you the double event of your 100th post-war school and the attainment by your County Architect of the highest position in his great profession.

Why did the Ministry of Works admire the new Hertfordshire schools? The first answer is that your County Council was practising the doctrine of teamwork which we were trying to put across the whole of the building industry, and your example was invaluable in my exhortations.

I had found the building industry made up of too many separate components who had an annoying habit of using each other as alibis for anything that went wrong. The obvious remedy was to pull the team together, to get them round the table and plan carefully before going on to the site, and to make quite sure who was in charge of the operation. I had no doubt that the architect was the man to lead the team, and I struggled away trying to get all kinds of building owners to have confidence in their architects both as artists and as the heads of a group of surveyors and builders all intent on putting up a good building in the shortest possible time.

The second reason why we admired you was that you were creating a modern style of architecture and a generation which can produce its own style in building is a generation which will get into the history books. Let me say a word about a satisfactory architectural style. It must reflect the ideals of the acts of the age. Our own times are distinguished from those of Queen Anne or Queen Victoria in many ways, but none of more significance than universal suffrage and full employment. We take for granted that everyone is politically equal and that everyone is in work. These revolutionary changes have great consequences for education and new school buildings must express them if we are to claim for them a satisfactory style of architecture.

By this I mean that when one sees a new school one ought to say "This is the sort of building where every child is going to get equality of opportunity according to his or her ability. It is also the sort of school where boys

and girls will get an education of the kind that will fit them to play their part in raising the national standard of life."

A new school would not pass this test if it were so luxurious and costly that it could not possibly set the standard for others. Equally it would fail if it were so ugly and on the cheap that it held no promise of a fuller life for teachers and children. In your 100 schools you seem to me to have fulfilled both the requirements of style and of function.

Certain politicians of both parties have persuaded the public to judge achievement in the field of house-building by the number of houses completed each year, but I am glad to say that no one has obscured the importance of quality in the building of new schools. By the brave fresh beauty of your new Primary Schools you have already achieved an international reputation. Many foreign architectural journals have carried articles on your work giving much praise to its originality and efficiency. You are not, I am sure, so unworldly as to expect other authorities to shout your praises from their County and Town Halls, but they watch what you are doing, your enthusiasm is catching, and very good work is being done in many areas.

You will not forget that the private building owner has been restricted for years by the building controls, so much so that some exuberant people in Local or Central Government circles have talked as if the private patron were dead and gone. This is nonsense. The private building owner is free again and he will profit by your privileged start in building after the war. He also will give architects many chances to create a modern style and we must look forward to learning from their work on factories, offices and other buildings. Speaking to Mr. Aslin, not as your County Architect, but as President of the Royal Institute of British Architects, I hope he will encourage Local Authorities to make use of private architects so that the reorganization of all-age schools in rural areas may be completed within the time which I have set.

Looking to the future, the keynote is expansion. The Government believes that in 25 years we can double the standard of life in this country. That means a massive and continuing investment in education. It is quite within our powers. Of that I am sure. But I am not yet sure that the general public is ready to make this investment on the scale that their and our future demands.

It is my job as Minister of Education to sell this expansion to the nation. Like all salesmen, I want to show my best goods and that is why I am so grateful to the Hertfordshire County Council for your schools are right in the front of my shop window.



Mr. L. J. Holloway, F.I.O.B., the new President of the L.M.B.A., is Vice-Chairman and Managing Director of Holloway Bros. He is the third member of his family to occupy the position, his uncle, Sir Henry T. Holloway, and his great uncle, another Sir Henry Holloway, having held the Presidency in 1924 and 1896 respectively. His father, Mr. Ernest C. Holloway, was President of the Institute of Builders from 1942 to 1947.

LAW REPORT

A dispute between Davis Contractors, Ltd., builders, of Kilburn High Road, London, and Fareham (Hants) Urban District Council concerning a contract for the erection of 78 houses, was decided by the Court of Appeal on December 20.

The court allowed an appeal by the council against an award by the Lord Chief Justice (Lord Goddard) of £17,258 to the company.

The contract, made in 1946, provided for the building of the houses in eight months, but the work lasted 22 months. The company, who were paid £94,424, contended that they were entitled to £115,233 because there was a shortage of labour and materials and the work cost more than had been estimated. An arbitrator, Mr. Lawson Scott-White, had made an award to the company, subject to the court's decision, as to the construction of the contract.

The company's case was that their tender was subject to adequate supplies of labour and materials being available to carry out the work in the specified time, and, as the council allowed the work to continue, a reasonable sum above the contract price should be paid.

Lord Justice Denning said that although the work took 22 months the council had not sought to claim damages for delay. The condition relating to the tender affected the time but not the price of the work. The case was one where, without the fault of either party, there had been an unexpected turn of events. The court would affect the sanctity of contracts if they allowed a builder to charge more simply because the work took longer than he thought it would take.

National Joint Council Statement

The National Joint Council for the Building Industry, at its statutory meeting held in London on January 13, carried out the customary annual review of the building wages and agreed that, in accordance with the Sliding Scale Agreement based on the Retail Prices Index, an increase of $\frac{1}{4}$ d per hour for labourers and craftsmen becomes due and will operate from February 7 next.

Consideration of an application by the operatives for a general wage increase of 4d per hour and of a counter notice by the employers requiring a widening of the hourly margin (at present $5\frac{1}{4}$ d) by which labourers' rates are below the standard rates of craftsmen was adjourned after the hearing of evidence from both sides. These matters and also an employers' application on public holidays are being examined meantime by an *ad hoc* committee.

Other applications, including those relating to the elimination of the Outer London rate, an increase of 2d per hour in the rates of extra payment for discomfort, inconvenience and risk, an increase of 1d per hour in the rate of qualified tubular scaffolders, the elimination of a qualifying period for the extra payment when men are handling dry cement, and a change in the travelling allowances in Manchester were referred to standing committees of the National Joint Council.

In respect of applications from craft unions relating to tool allowances no agreement was reached and deadlock procedure has been invoked by the Plasterers' and Plumbers' Unions. Under this procedure a special joint committee has been appointed to report within one month.

C.B.E. for Mr. B. A. Williams

Among the New Year Honours was the award of the C.B.E. to Mr. B. A. Williams in recognition of his work over many years for the National Savings Campaign. Mr. Williams is the founder and Chairman of Williams & Williams.

Examinations

The R.I.B.A. Intermediate Examination was held in London, Plymouth, Manchester, Leeds, Newcastle, Edinburgh and Belfast from November 5 to 11, 1954.

Of the 491 candidates examined, 158 passed and 333 were relegated.

The Institute of Quantity Surveyors announce that over 600 candidates will be sitting the Examination during February 26 to March 4, 1955, inclusive, at centres established in Birmingham, Bradford, Bristol, Carlisle, Liverpool, London, Plymouth, Southampton, Swansea, Glasgow, Belfast,

Dublin, East Africa, South Africa, West Africa, Germany, Lebanon, Libya, Malaya and the Persian Gulf.

ANNOUNCEMENTS

Messrs. Harold Bulmer and J. Ricardo Pearce, A./A.R.I.B.A., of 44, High Street, Wimbledon, London, S.W.19, have opened a branch office at Adam's Hill, Breinton, Hereford, where they will be pleased to receive trade catalogues, etc.

* * *

The first London showing of the prize-winning Polish documentary film "The Ancient City of Warsaw," to be introduced by Tom Braddock, F.R.I.B.A., will take place at the British Council Cinema, on Friday, January 28 at 6 p.m. Admission free by ticket only. Tickets may be obtained from the Polish Cultural Institute, 81, Portland Place, W.1. Lan. 1417.

COMING EVENTS

Architectural Association

January 20 at 7 p.m. Forum organized by Students' Committee, "Car Parks under London Squares." Speakers, Peter Shephard, Edward Playne and Colin Buchanan, at 34, Bedford Square, W.C.1.

January 26 at 7 p.m. Talk on "Planning by Form," by J. B. Bakema, at 34 Bedford Square, W.C.1.

Society of Chemical Industry

January 20, 6 p.m. Talk on "Plastics in the Building Industry," by Y. W. Rayden, Plastics Division, Imperial Chemical Industries, Ltd., at the Institution of Structural Engineers, 11, Upper Belgrave Street, S.W.1.

The Ecclesiological Society

January 22 at 3 p.m. A film "Historic Parish Churches (Part II—Their Interiors)" will be shown by Lawrence E. Jones on behalf of the Historic Churches Preservation Trust, at the Hall of the College of Preceptors, 2, Bloomsbury Square, W.C.1.

The Institution of Structural Engineers

January 25 at 6.30 p.m. Talk on "Modern Architecture," by Dr. T. Howarth, at the College of Technology, Manchester.

The Royal Sanitary Institute

January 26 at 2.30 p.m. Address on "Air Pollution," by Sir Hugh Beaver, M.I.C.E., M.I.Chem.E., Chairman of the Government Committee on Air Pollution and Chairman of the Advisory Council, Department of Scientific and Industrial Research. At 90, Buckingham Palace Road, S.W.1.

The Planning Forum

January 31 at 6.30 p.m. Talk on "Management of Housing Estates," by W. G. Cusack, F.R.I.C.S., District Officer. At 28, King Street, Covent Garden, W.C.2.

CORRESPONDENCE

Abnegating Abner

To the Editor of A. & B. N.

Sir,—Since you have allowed your columnist "Abner" to make an attack on me anent my candidature in the election of representatives of the "unattached" architects on the A.R.C.U.K., perhaps you may be good enough to afford me some small space in your journal to (a) thank him for a free advertisement—which, incidentally, has done me more good than harm—and (b) suggest that your young columnist should study his Euclid before using metaphors which, Q.E.D., are absurd.

To state that the writer has been "for many years a thorn in the flesh of the A.R.C.U.K." or that he proposes "to return to his previous pastime of throwing bricks at the R.I.B.A." is not only absurd but also untrue.

It is a fact that I was a bitter opponent of the Registration Bill in the transformation of which I played no small part. But, once it became an Act, I spent at least 20 years of my life in helping to make it "work." And, when I involuntarily left my seat on the Registration Council, I received an inspiring testimonial from my colleagues on it. As for throwing bricks at the R.I.B.A., does a demolition contractor throw bricks at brick makers?

I am told that the Old Lady of Portland Place is contemplating some rebuilding; and it seems a portion of the cost may, indirectly, fall on the shoulders of the "unattached" unless . . . But, if I am returned as a member of the A.R.C.U.K. and feel compelled to throw something, tell "Abner" I shall choose a stone (or should it be a piece of artificial stone?), in preference to a brick, to match the new elevation!

I am, etc.,

G. B. J. ATHOE.

Brixton School of Building— Jubilee Booklet

To commemorate the School's "Jubilee," the Brixton School of Building, Ferndale Road, S.W.4, has issued an attractive booklet entitled "The First Fifty Years."

The booklet records the history of the School in story and illustrations, as well as the development of technical education for the building industry, and will appeal to all who have known the School as well as to former students.

Copies can be obtained from the School, price 2s 6d.

ADDENDUM

Messrs. A. Chamberlain and A. K. Gallimore, Students R.I.B.A., whose winning design for a Community Centre was illustrated in last week's issue, are part-time students under Mr. L. Daniels, A.R.I.B.A., at the Hanley School of Architecture.

Review of 1954

A YEAR in which Defence Regulation 56A came to an end, Professor A. E. Richardson was elected P.R.A. at the age of 74, helicopters took off from and landed at the South Bank and the New Barbican Scheme was damned with faint praise by the Court of Common Council, not to mention the four-minute mile and the vagaries of the weather—was not without interest.

The New Barbican proposals for a site of 40 acres in the City suited the spirit of the New Elizabethan Age rather than that of the City Fathers, who would translate "Sic monumentum requiris, circumspecte" as "if you seek a monument, inspect the advertisements on the back page of *The Times*." Sir Gerald Barry, Chairman of the New Barbican Committee, remains undaunted, and has invited "any persons prepared to be constructively interested" to get in touch with the committee.

Another adventurous project was the L.C.C.'s National Youth and Sports Centre at the Crystal Palace, which should serve to keep those two household words in constant use for another century.

As to schools, 1954 saw the opening at Kidbrooke of the first of the L.C.C.'s Comprehensive Secondary Schools. It was very large. The most remarkable school was that designed by Alison and Peter Smithson, at Hunstanton. It was very Mies.

An event of great importance was the choice of subject for discussion at the British Architects' Conference at Torquay—"Materials and Techniques," by W. A. Allen

and E. D. Mills. If our old buildings are too well repaired while our new ones deteriorate rapidly, it would be a *bad thing*. Old buildings should look their age even if well preserved; contemporary ones should look clean and new for some little time.

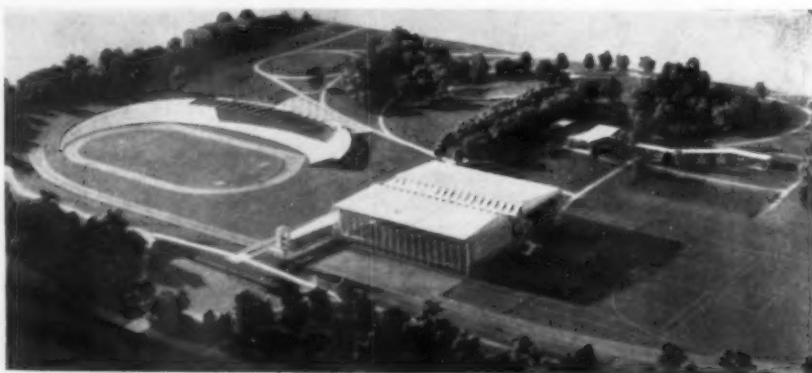
Professor Richardson, the seventeenth President of the Royal Academy and the fourth architect to be so, declared his intention of crowding ten years into his one of office. His interview on the air with Mr. Gilbert Harding was another highspot of 1954. Did he not say that an architect should be "an artist, able to draw; he should be a scholar, a man of culture; a man with sympathy for his fellow beings and a man with a great love of history" and a man of taste and conviction?

Last year there were too few competitions and too many architects in for them. Let us hope there will be far more this year.

We will end with a quotation from Walter Gropius: "When a man is ill he certainly wouldn't tell his physician how to treat him. Architects are rarely treated with such respect. If we have not been competent enough to deserve being trusted, we had better make sure that we are in the future—in design, in construction and in economy, as well as in the social conception, which embraces the three other components of our work. If we do not make ourselves highly competent in all these fields, or if we shun responsibility in leading the way, we resign ourselves to the level of minor technicians."

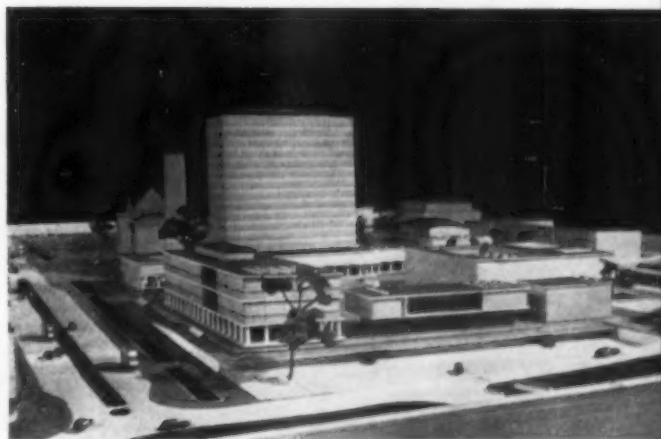
Model of the National Youth and Sports Centre in the grounds of the Crystal Palace, proposed by Sir Gerald Barry who is consultant to the L.C.C. for the future of the Crystal Palace.

The design is the work of the Architect to the Council, Dr. J. L. Martin, with assistants: H. W. Engleback, B. G. Jones and M. J. Attenborough. The scheme includes Main Sports Hall; an area with running track and stands for spectators; a general open-air practice area of 3 acres; a swimming pool to Olympic Games dimensions; a headquarters and hostel block, with residential and recreational facilities and accommodation for instructors and trainees





Model of the New Barbican scheme photographed on a scale map of the City. The 40-acre site lies between Aldersgate Street and Moorfields, and Coleman Street; Barbican, Beach Street; Chiswel Street (excluding Whitbreads Brewery) is its northern boundary, and its southern boundary is the west end of the proposed route 11, Silver Street and Addle Street. Details of the scheme include:—a 14-acre central park around St. Giles Cripplegate Church and the Ironmongers Hall; 60-foot excavations below ground to house warehousing (the Metropolitan Line between Aldersgate and Moorgate would thus be left on an embankment); a new style Royal Exchange; offices, terrace housing and flats. The architects are Sergei Kadleigh, William Whitfield and Patrick Horsbrugh. The New Barbican committee, which is under the chairmanship of Sir Gerald Barry, is to appeal to the Ministry of Housing and Local Government against the City's decision to reject the scheme.



Scheme for a Civic Centre, Plymouth, prepared by the City Architect, H. J. W. Stirling. The site is off Royal Parade, and the tall block shown in the picture will house corporation departments.

Churches & Halls

1

Church of All Saints, Oxhey Place
LORD MOTTISTONE
& PAUL PAGET
James Carmichael Ltd.

1



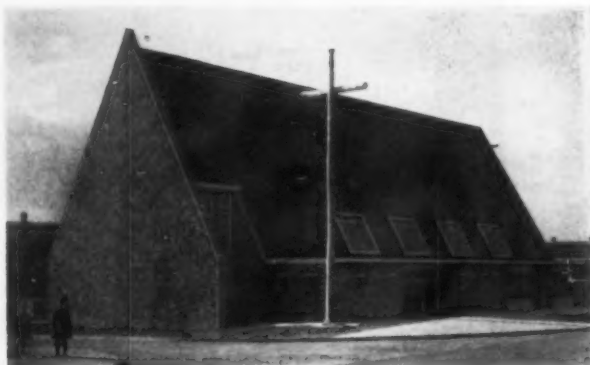
2

Christian Science Church, Welwyn
Garden City
PAUL MAUGER & PARTNERS
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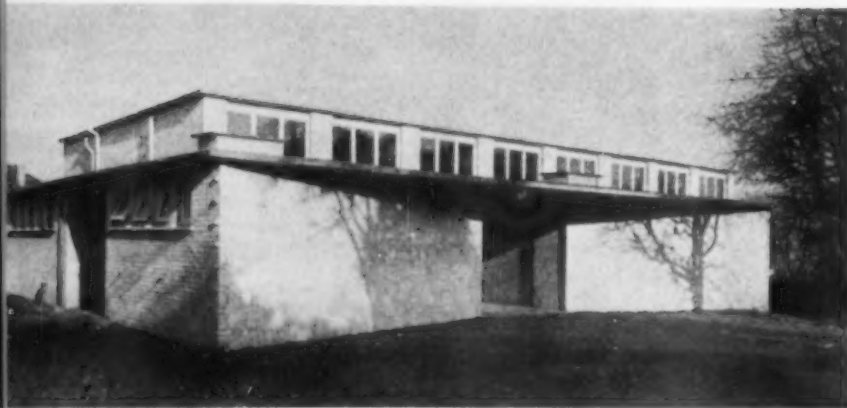
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Church Hall, Stevenage New Town
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8



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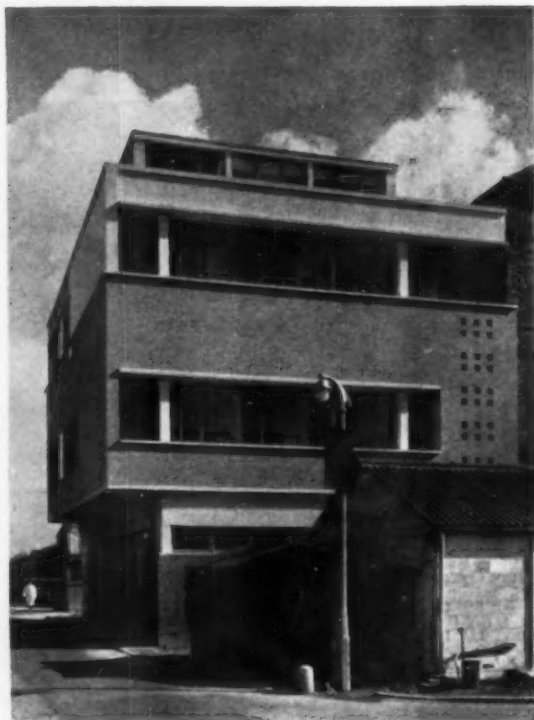
Metabolic Unit, Hammersmith Hospital
 BASIL WARD
 of RAMSEY, MURRAY & WHITE
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Harold Hill Health Centre, Essex
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Outpatients' Dept., Great Ormond Street Hospital
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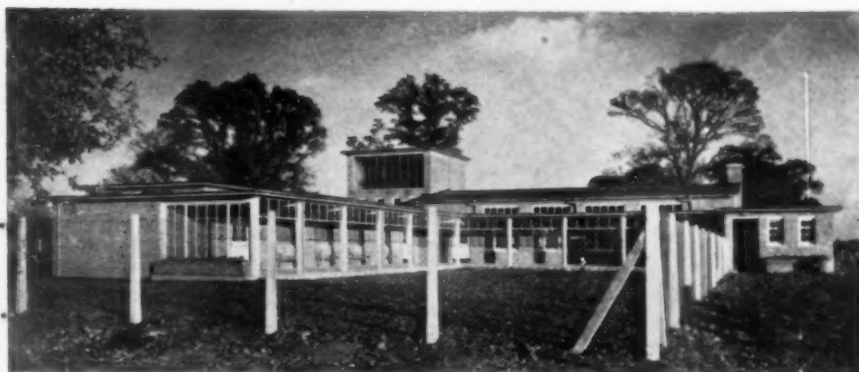


3



4

Health Buildings



5
Hospital Extension, Little
Plumstead, for the East
Anglian Regional
Hospital Board
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Architect to the Board
T. Gill & Son
(Norwich) Ltd.

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6

6
School Clinic
for Birmingham Corporation
CHERRINGTON
& STANTON
City of Birmingham
Education Repairs Dept.



7

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WATKINS, GRAY
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 Messrs. Leslies

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Houses, Plymouth
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 City Architect
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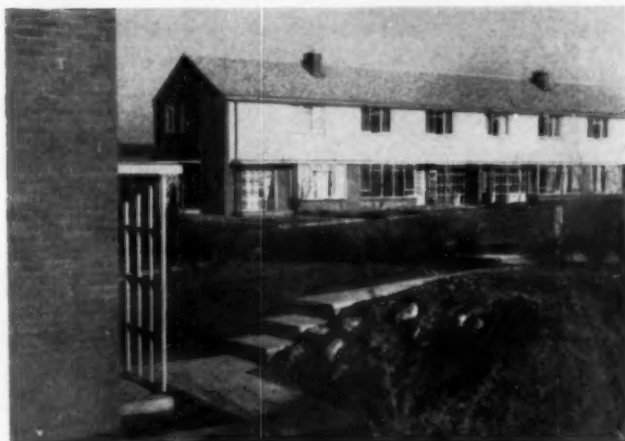
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Reddings, Welwyn Garden City
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Chief Housing Architect
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Pickard & Co.

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2



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*Police Section Station,
 Button Lane, Manchester*
L. C. HOWITT, City Architect
Robert Carlyle & Co., Ltd.



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Thaxted Fire Station, Essex
H. CONOLLY, County Architect
W. Crossman & Son, Ltd.



1

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BOOTH & LEDEBOER
T. H. Kingerlee & Son Ltd.

2

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D. JUBB
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HAMMETT & NORTON
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Balfour Beatty & Co., Ltd.



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Refuse Disposal Plant, Charlton
ALFRED S. KNOLLES,
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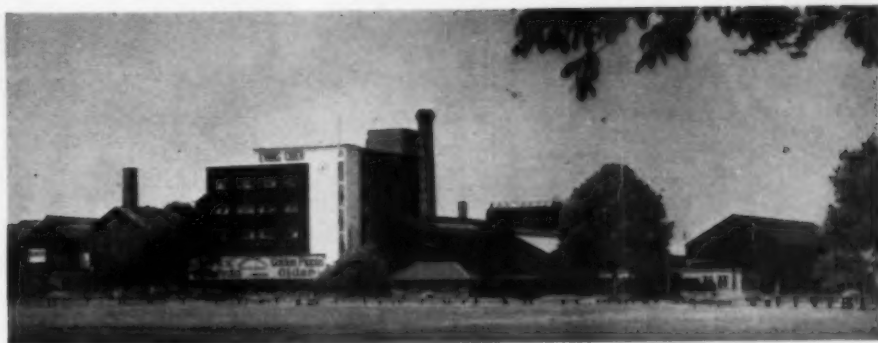
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Standard Factories, Hemel Hempstead New Town
ARCHITECTS DEPT., NEW TOWN
in collaboration with
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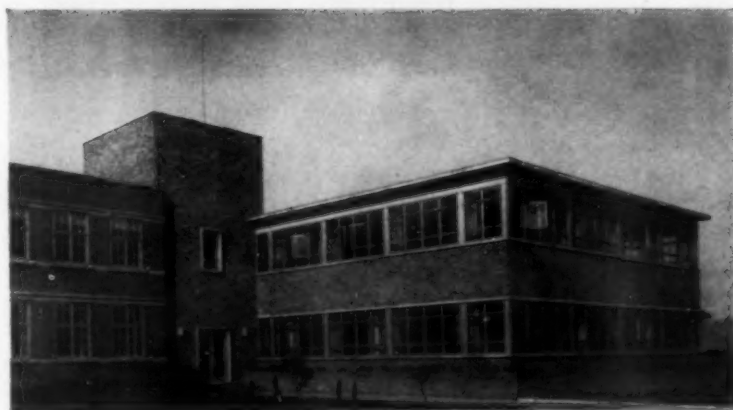


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Cider Factory, Hereford
WILLINK & DOD
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6

*Northern Aluminium Research
Laboratories, Banbury*
SIR PERCY THOMAS & SON
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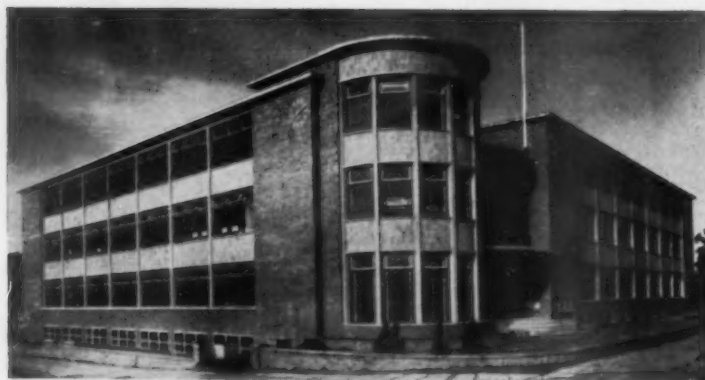


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T. Wall & Sons, Willesden
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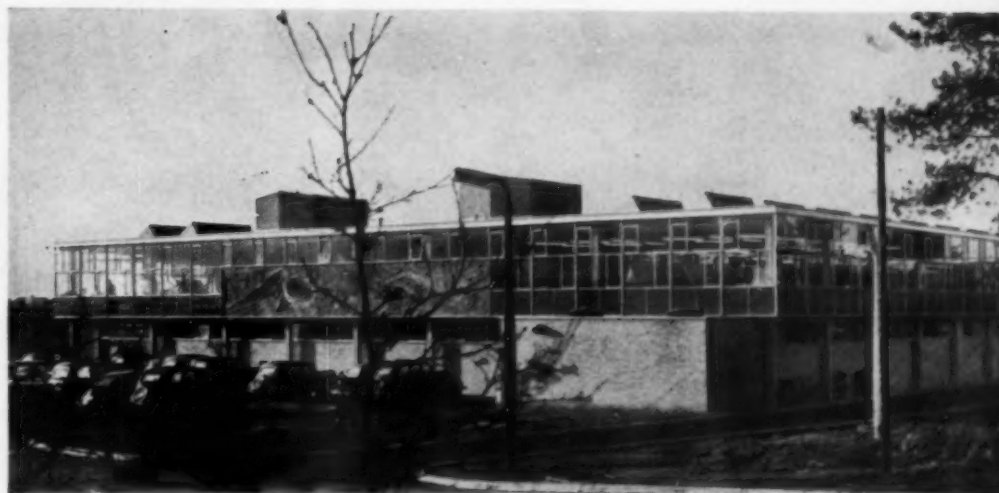


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Heathcote House, Savile Row
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H. H. Parsons & Son Ltd.

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House, Sidcup, Kent
OLIVER STEER
Cotter Bros. Ltd.

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4

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Tythe Barn Cottage, Dorset
E. WAMSLEY LEWIS
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6

fresh views on flooring

expressed by

HUMPHREY SPENDER (in this issue)

FELLO ATKINSON

OLIVER COX

F.H.K. HENRION

PRUNELLA CLOUGH

LAURENCE SCARFE

and edited by

Sir Hugh Casson R.D.I., M.A., F.R.I.B.A.

In seeking a theme for a series of features on flooring as an integral element of interior design, the manufacturers of Semastic Tiles commissioned Sir Hugh Casson to make his recommendations.

He proposed that a number of leading designers be given the opportunity to express their views on this matter by designing floors for a number of imaginary projects which he himself would suggest by way of initial plans and briefings.

He has, therefore, in association with these designers prepared plans for:—an Airport Waiting Lounge
a Youth Hostel Dayroom · a Works Canteen
a Restaurant · a Clinic · a School Entrance Hall. Each of the six designers selected has been invited to choose one of these projects and to consider it from the aspect of floor-design in order to demonstrate the scope of Semastic Decorative and Vinyl Asbestos Tiles. The materials which may be used are as follows: *Semastic Tiles*. Decorative and domestic grades. These are thermo-plastic resin-bonded tiles which are available in a very attractive colour range, in plain and

marbled finishes. By cutting to shape and by contrasting and blending colours, design possibilities are virtually unlimited.

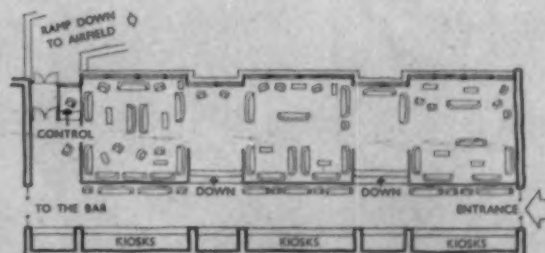
Vinyl Asbestos grade. One of the latest developments in floor surfacing, Vinyl Asbestos Tiles are designed to combine the greatest visual appeal with years of faultless service. In devising the balanced range of nineteen colours there has been close collaboration with the British Colour Council.

Since Semastic Tiles are resistant to the effects of insect attack and extremes of climate, the designs under discussion could equally well have tropical application.

THE PROBLEM AS SET TO HUMPHREY SPENDER

The Airport Waiting Lounge for which the floor is to be designed is envisaged at first floor level above the Arrival and the Customs concourse. It is to measure approximately 100 feet x 30 feet (see plan at right), with one window wall overlooking the aerodrome. The room itself is planned on two levels:

- a high-level gangway which passes the Bar, concession Kiosks, and enquiry desks on one side and balustrade and banquettes on the other to the main exit which leads down a ramp to the aircraft;
- approximately 18" below the gangway is the waiting area. This is divided into three "bays" by access steps and by the modulation of the window line to aid grouping of passengers by destinations.



1

OF SERIES

Humphrey Spender

AIRPORT WAITING LOUNGE

This particular problem involves areas of floor with two distinct functions: areas for passenger circulation and areas for rest.

Circulation areas, being constantly moved over and half-observed, can carry a pattern of greater tonal contrast, more disturbing to the eye, than that carried by 'rest' areas, which must not distract by sharp contrasts or too disruptive a pattern. (Steps should

avoid 3 D 'trip-up' effect and are therefore treated in one colour).

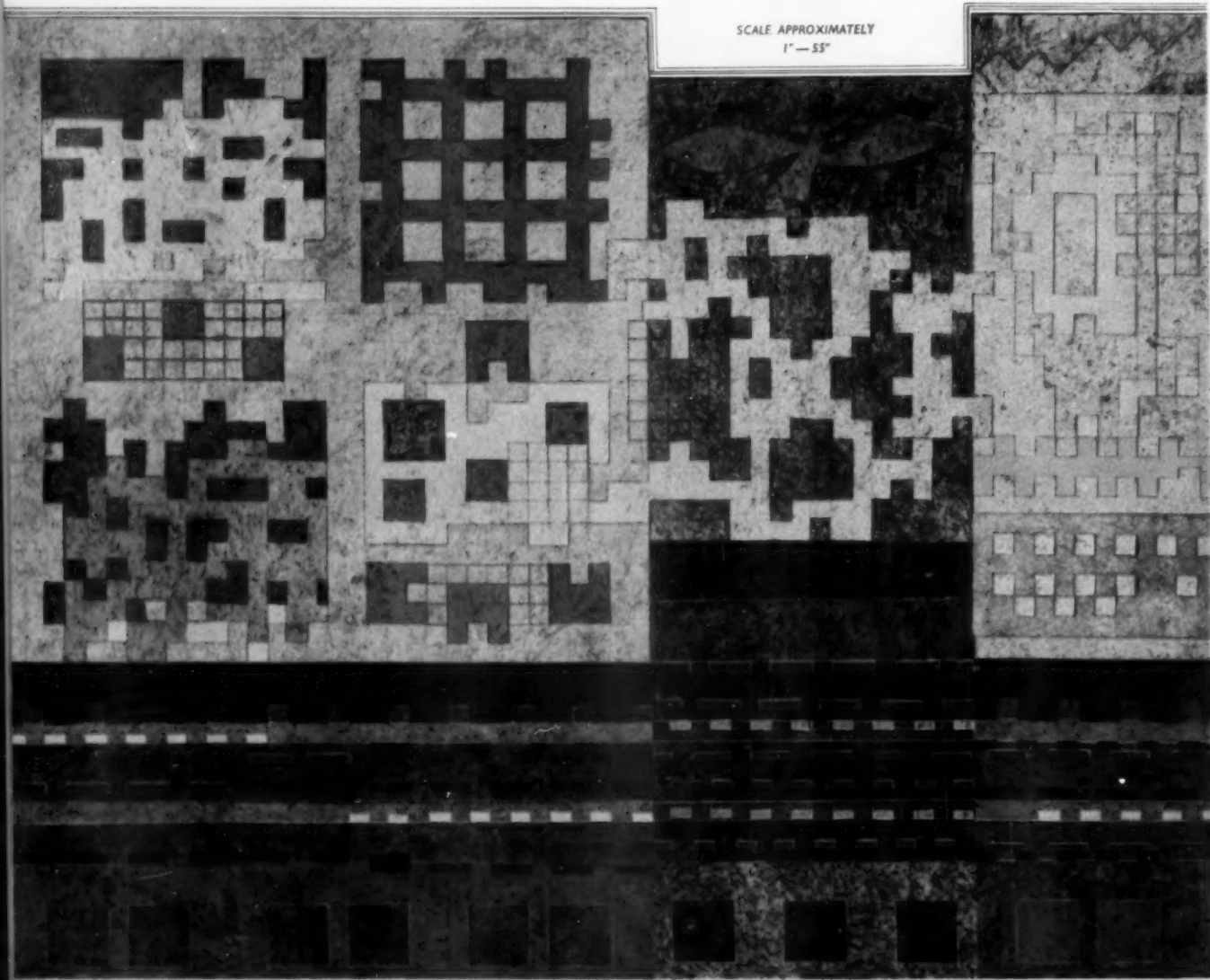
Thus the raised gangway which is a wide corridor entirely for movement and circulation, carries a strongly directional design ranging from darkest to lightest tones with sharp contrasts. The lights and signs and display in the kiosks which edge this corridor will take up the colour accents in the floor.

The bays for waiting, rest and reading carry a pattern restful in colour and contrast, undistracting to the reading or somnolent eye, soothing to the apprehensive nerve. Cool colours, gentle contrast.

The three bays are divided from each other by the approaches to the subsidiary balconies. By a slight intensification in tone these have been defined as areas of minor circulation, but the pattern of the three bays flows into and through them so as to link the three bays together. Such a large floor area as this, not visible from an upper gallery, could not be seen as a coherent whole except by one suspended from the ceiling, or by the artist on his paper. Thus the design cannot depict by representational motive — (where uninterrupted view is essential) — but should suggest by associative idea in an abstract and rather fragmentary way, still pleasant to the eye when only partially seen.

The associative suggestion intended here is of aerial view: field pattern, townscape, runway: from the far lounge to the exit a progression from runway to townscape: colour suggesting sky, cloud, space, distant mountain range. Areas of broken textured pattern contrasting with areas of unbroken colour. The design loosely subdivides each bay, into areas eventually to be more clearly defined by a rather

SCALE APPROXIMATELY
1" = 55"



formal placing of furniture, long 3-4 seater settees, single seater chairs and smaller tables. Each bay contains three or four grouped units of furniture arranged in a way suggested by the planning of the design itself.

The settees and chairs will not be 'skirted' thus the pattern can flow underneath and around them and allow occasional variation in their arrangement. On the clear and light broken tones of the floor the upholstery will be of rich textured materials, in dark clean colours set off by light wood framing to chairs and tables. Dark toned plastic table tops could pick up and intensify the lighter tones of the floor.

Sir Hugh Casson sums up

By his unemphatic delineation of the three 'rest' areas and the movement which flows through them, Humphrey Spender has done much to counter the captive feeling which waiting rooms so often inspire in even the most experienced travellers. In contrast, the purposeful directional pattern of the raised gangway provides a cheerful atmosphere of ordered haste.

This will be most helpful in banishing the hesitancy of travellers who find themselves with much to do in a large and unfamiliar building.



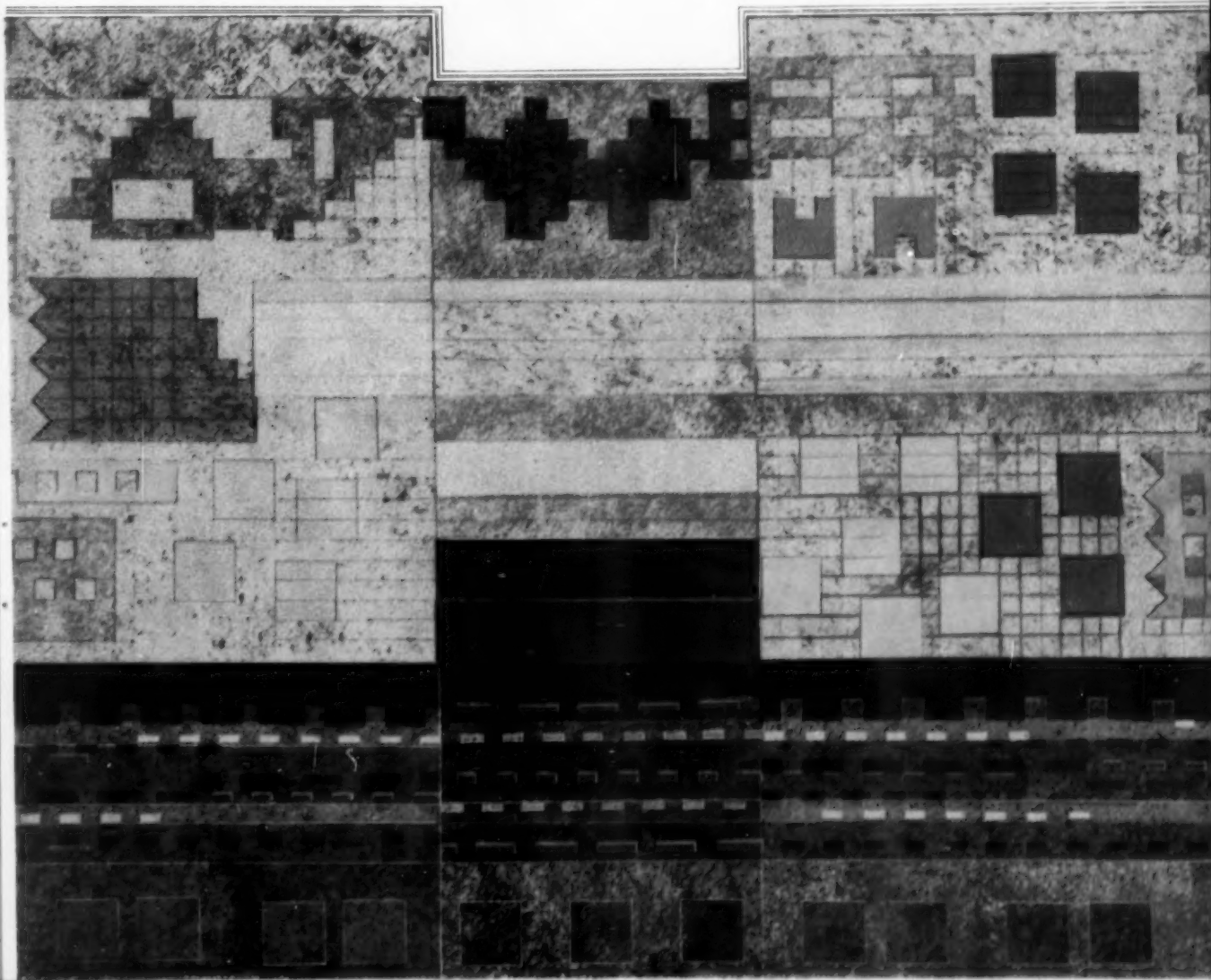
An impression of the Airport Waiting Lounge, for which the floor is designed.

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& HARRISON
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House, Sidcup, Kent
OLIVER STEER
Payne & Wright Ltd.



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House, Woking, Surrey
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7



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House, Newquay, Cornwall
SHEILA TRIBE
Bellingham Bros. (Newquay) Ltd.

Private Houses

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J. Whiffen & Sons Ltd.

1



2



3



4

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House, Twickenham, Middlesex

ERIC LYONS

Eden Residential Construction Co., Ltd.

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House, Hampton, Surrey

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4

Cottage, Bramshott

E. D. JEFFERISS MATHEWS

R. Corben & Son Ltd.

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Coffee Bar, London
ADAM GELISTER
Hickman Ltd.



2

Roma Restaurant, London
SANDERSON & BRUCKLAND
A. E. Franks



3

The "Champion" Public House, London
JOHN AND SYLVIA REID
W. & D. Willett Ltd.

4

Study, Royal Yacht "Britannia"
SIR HUGH CASSON
Hamptons & Sons Ltd.
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3





Schools

1

Birley Spa Junior, Nr. Sheffield

JOHN DUDDING

& PARTNERS

in association with

F. HAMER CROSSLEY

Derby County Architect

Greenwoods (Mansfield) Ltd.

1

2

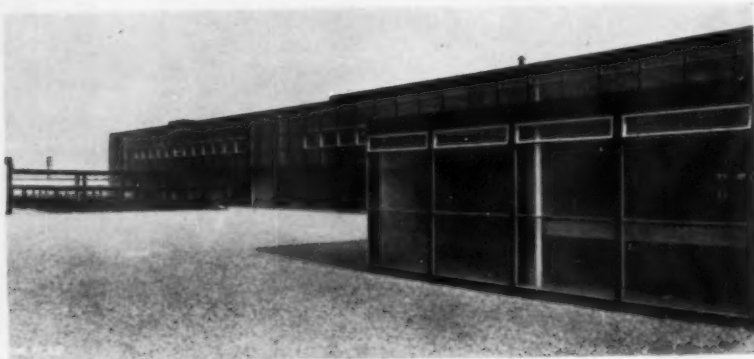
2

Hunstanton Secondary

ALISON and

PETER SMITHSON

F. W. Shanks Ltd.



3

3

Birchen Coppice Infants,

Kidderminster

YORKE, ROSENBERG

& MARDALL

A. H. Guesp (Stourbridge) Ltd.



4

4

Baildon Primary, Yorks.

HARRISON & SEEL

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5

Beckenham County Primary, Kent

ELIE MAYORCAS

in association with

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formerly County Architect

Anglo Scottish Construction Co., Ltd.

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Kidbrooke School, Greenwich

CHARLES PIKE

Gee, Walker & Slater Ltd.

7

Harrowfield County Secondary for Boys

RICHARD SHEPPARD & PARTNERS

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7



8



8

Harlow Secondary Technical

RICHARD SHEPPARD & PARTNERS

Kirk & Kirk Ltd.





Schools

1

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County Secondary
G. NOEL HILL,
County Architect
John Lucas & Son Ltd.

2

Ronkswood Primary,
Worcester
JACKSON
& EDMONDS
Spicers Ltd.

1 Espley & Son Ltd.



2



3



4



5

3

Cardiff High for Boys
SIR PERCY THOMAS
& SON
E. Taylor & Co., Ltd.

4

Button Lane Primary,
Manchester
L. C. HOWITT,
City Architect
F. Marsland Ltd.

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5

St. Edward the Confessor R.C.,
Richmond
GOODHART RENDEL
& PARTNERS
W. H. Gaze & Sons Ltd.

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Royal Alexandra and Albert,
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ADAMSON, GRAY
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Tersons Ltd.

8

Fairchildes, J.M.I., Croydon
SCHERRER & HICKS
E. H. Smith (Croydon) Ltd.



8





Shops

1

1

*Showroom for Vono Ltd., London.**DENNIS LENNON**David Esdaille & Co., Ltd.*

2

*Keith Prowse, New Bond Street**LEONARD ALLEN**Hickman Ltd.*

3

*Jaeger's Shop, Glasgow**DENNIS LENNON**Cookes (Finsbury) Ltd.*

4

*Gunsmith, Waterloo Place, W.1**RACHEL CARO**G. Jackson & Sons Ltd. (Shopfront)*

2



3



4





New Ideas from an Old County



Long Crendon Courthouse, Bucks

Once known as Old Staple Hall, this timber framed building is a fine example of fifteenth century work. The upper floor has an open timber roof and the beams are curved like the original tree trunks.



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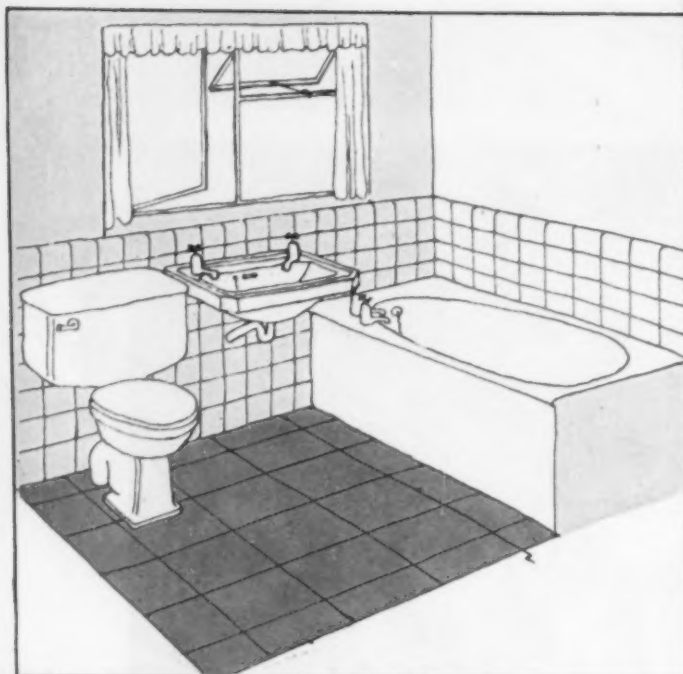


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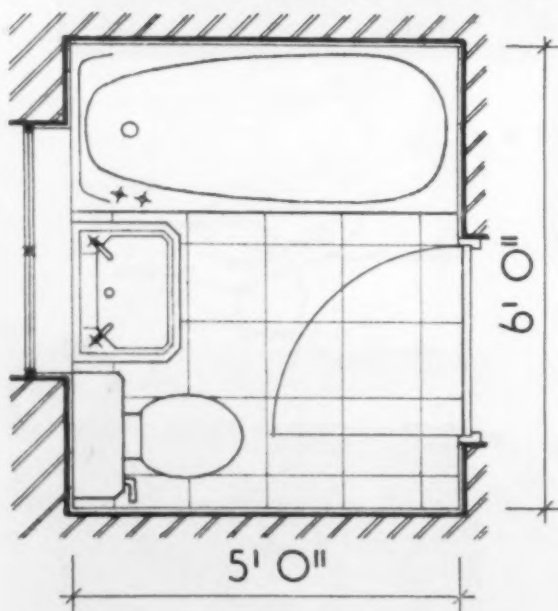
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The COMPAC Bath

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NOTES :

In the ordinary way, a bathroom of these measurements, with all pipe-work on the 6' wall, is obviously going to be 'on the tight side'. But there is nothing cramped or skimped about this one.

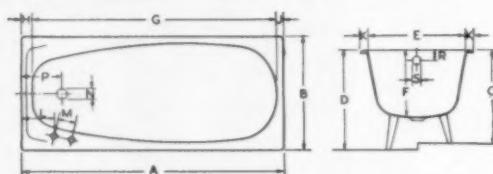
The lavatory basin and low-level w.c. suite are of standard sizes, and nothing is chased or recessed into the wall; the door is hinged.

Only the Compac bath makes all this possible. It is a most ingenious piece of design.

SPECIFICATION :

The "COMPAC" Rectangular Top Bath, porcelain enamelled inside, plain painted outside; $\frac{3}{4}$ " taps; $1\frac{1}{4}$ " overflow; $1\frac{1}{2}$ " waste, plug, chain; and $1\frac{1}{2}$ " glass enamelled cast iron trap, above floor.

The inside contour of the "COMPAC" Bath is specially designed to give maximum bathing comfort with minimum water consumption. The arrangement of taps on the front roll greatly simplifies the plumber's work in making connections, and makes cleaning easier.



A	B	C*	D	E	F
5' 0"	2' 2"	1' 9 $\frac{1}{2}$ "	1' 11"	1' 10 $\frac{1}{2}$ "	1' 3 $\frac{1}{2}$ "
1524 m.m.	660 m.m.	546 m.m.	584 m.m.	572 m.m.	394 m.m.
G	H	J	K	L	M
4' 8"	2 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	7 $\frac{1}{2}$ "	4"
1422 m.m.	64 m.m.	38 m.m.	45 m.m.	184 m.m.	102 m.m.
N	P	R	S	* Standard Height unless No. 3A Foot is specified	
2 $\frac{1}{2}$ "	9 $\frac{1}{4}$ "	2 $\frac{3}{4}$ "	1 $\frac{1}{2}$ "		
57 m.m.	235 m.m.	60 m.m.	48 m.m.		

The internal length is only 3" shorter than the standard "Magna" bath, and the depth of water is the same. The bath itself is $1\frac{1}{2}$ " lower than standard, which makes it easier of access for the old or infirm and more convenient for bathing children.

Notable plumbing features are :

- ★ Far shorter fixing time because tap connections are easier.
- ★ The bath is designed to take the well-known "Cobra" combined waste-overflow fitting, which again reduces fixing time.
- ★ The underside of the roll of the bath is arranged to take a vertical panel without the usual wooden framing. This panel can be fitted with small steel brackets which are quickly screwed to the floor.

NOTE: Allied Ironfounders are NOT the makers of the panel, the lavatory basin or low level w.c. suite appearing in this bathroom, but sources of supply can be provided.

For further information about the Compac Bath
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DESIGN RESEARCH UNIT

Review continued on page 91

ELECTRIC LIGHTING

THE LIGHTING OF DOMESTIC INTERIORS

The proper lighting of domestic interiors is still hampered, in many cases, by the convention which would confine lighting outlets to the ceiling, where they are often found solitary and awkward, and placed regardless of the usage of the room or its appearance when furnished, lighted and lived-in. It remains a mystery, for example, how the tradition arose of placing a ceiling pendant in front of the bedroom window, and why the practice is allowed to continue.

Lighting Fittings and Luminous Features

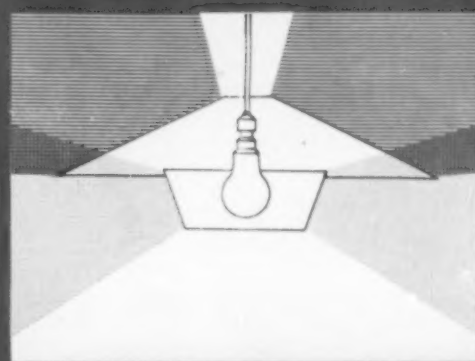
Two important rules may be suggested. The first, grimly obvious but far too often neglected, is that light fittings should be designed and placed so as to provide enough good quality light at the right places and from the right directions. There are no conventional or standardised positions which will suit these requirements in every room. Secondly, care must be taken to distinguish between lighting fittings and what may be called luminous features, in order to obtain the most satisfactory results.

The function of a light fitting (see L.1 and L.2) is to release the maximum amount of light for comfort in the manner described in the first rule just quoted. A luminous feature, on the other hand, is not provided to give a high proportion of useful working light, but to produce an interesting effect by virtue of its appearance when illuminated, and the manner in which the light it emits gives point and life to selected areas or objects in an already adequately lighted interior. There is no firm dividing line between a light fitting and a luminous feature: many contemporary light fittings hover between the two; but as long as this is understood, and a high functional performance is not expected from the "luminous feature" type of fitting, all will be well.

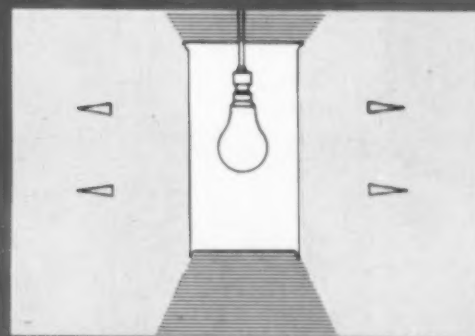
Lighting efficiency, in the sense understood by the illuminating engineer designing a commercial installation, has really no place in the home. Electric lighting is extremely cheap and can be manipulated in an endless variety of ways: the true measure of its efficiency here is rather the extent to which the light is provided where and how it is wanted, which is rarely a matter of the photometric efficiency of the fitting. It is the personal satisfaction of the user that is of primary importance, provided always that the illumination of any particular task, such as reading, writing or sewing, does not fall below the levels recommended in L.1.

Overhead Light Fittings

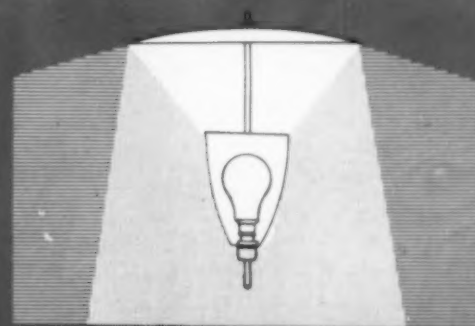
Though generally satisfactory where the functional aspect is dominant as in kitchens, bathrooms, on staircases, over dining tables and sometimes in tall rooms, overhead lighting has little to recommend it in living rooms and bedrooms where the resultant illumination lacks interest, is most unflattering to the occupants of the room, and is quite unsuitable for reading in comfort. In practice, stand and table lamps are invariably added in living rooms, and table and bedside lamps in bedrooms. Ceiling lights may be dispensed with in both cases by arranging for at least one standard or table lamp to be switched from the door, unless special requirements have to be satisfied. A counterbalanced fitting is probably the most satisfactory type for use over a dining table as it can be lowered to the right height when required. Being used at low level, the shade must be sufficiently diffusing to light gently the faces of people sitting at the table (Fig. 1a); unpleasant facial shadows should be avoided. While there must be no risk of glare directly from the lamp or reflected from a polished table top, the lamp should not be totally screened, or the gentle glitter from silver and glass will be lost. For tall rooms, passages, staircases and halls, tall diffusing shades, from which the major distribution of light is horizontal, are most successful (Fig. 1b). Many variants of this type of fitting are possible which obviate the "well" effect often produced when most of the light is directed upwards and downwards. Spherical opal glass diffusing fittings frequently cause glare and should be used with caution (see L.1 and L.2). It is important that only fittings of the very lightest weight should be supported by their flexible cords: all others should have adequate chain or tube suspension.



a. A suspended light fitting; the diffusing shade is lined with white material and the lamp screened in a similar way.



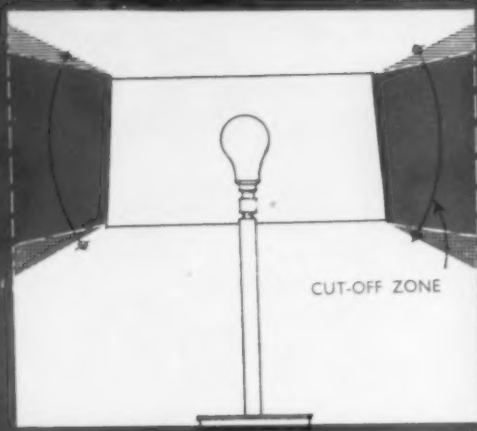
b. A suspended fitting for tall rooms or passages; the shade is translucent with upper and lower screens of more opaque material.



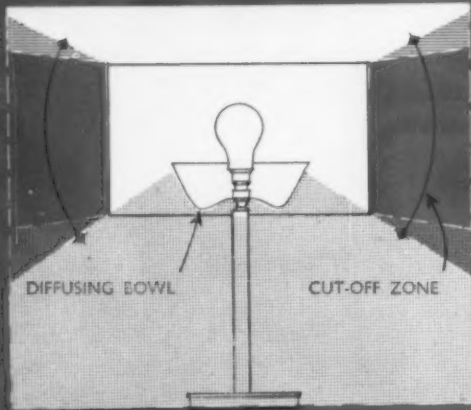
c. An indirect fitting with the lamp set in an enveloping metal shade beneath a concave reflector.

Fig. 1 Performance of lighting fittings

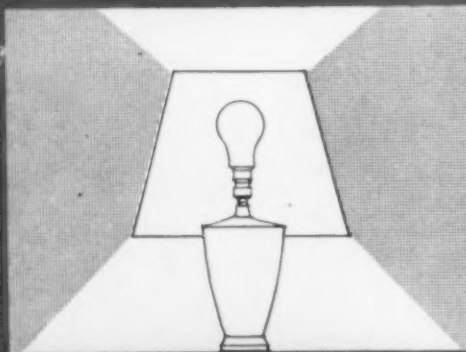
L.3



a. General lighting by means of a table lamp with large diameter opaque shade lined with white material.



b. A table lamp with large opaque white-lined shade for general lighting and a diffusing bowl for reading and writing.



c. The familiar conical type of diffusing shade with wide distribution of light for general illumination.

Fig. 2 Performance of table lamps

Wall Fittings

Lighting from the walls of a room produces a more pleasant effect than ceiling lighting in most cases, but its use is limited. As the fittings are prominently in view, the light intensity must be kept low to avoid discomfort, with the result that horizontal illumination falls off rapidly only a few feet from the wall. There is also a tendency for some rooms to look smaller when lighted mainly in this way. Wall lighting is more successful in large rooms or where a directional fitting is hung on a wall, for example above a desk or sideboard; otherwise wall fittings are best considered in the luminous feature class.

Portable Lamps

Portable lamps are especially suitable for living-room and bedroom lighting: they control and direct the light from the lamp in various ways, and should be chosen for their lighting characteristics as well as appearance and cost. If the former turn out to be inadequate in use, it is no solution to use a more powerful lamp than the fitting is designed to take: the result will be doubly unsatisfactory.

Standard or table lamps which emit a generous proportion of upward light are quite satisfactory for general room lighting, either to supplement or replace ceiling fittings (Fig. 2a, b, c). This method has much to recommend it if an ample number of socket outlets has been installed (see D.L.1 and 2), owing to the flexibility possible and the attractive lighting effects so easily achieved. The most important requirements for lamps used in this way are:

- (i) Floor standard: minimum height from floor to top of shade, 5 ft. 6 in. Table lamp: a good average height from table to bottom of shade is 1 ft. 2 in.
- (ii) The shade must be capable of accommodating and adequately screening a 150 watt lamp on a floor standard, and at least a 100 watt lamp on a table fitting.
- (iii) Approximately half the light emitted from the lamp must escape upwards.
- (iv) The shade should be of the largest reasonable diameter in order to let most of the light out.
- (v) The shade should have a white or light coloured interior or lining to give freedom of choice for treatment of the outside.

If a diffusing bowl or skirt (Fig. 2b) is not provided, a silica-coated lamp may be used to obtain the required lighting characteristics from an otherwise suitable floor standard or table lamp.

Opaque Shades

Opaque or nearly opaque shades can be used most successfully for table lamps, and may often be preferred to translucent shades, especially when near to the face as on a writing desk. They can also be used for general lighting if their diameter is considerably greater than their height (Fig. 2a and b), and the cut-off angle thus formed keeps the lamps screened from people sitting or standing. Rich and interesting colour effects can be obtained with this type of table lamp in decorative schemes of any period or character.

Some light fittings with narrow enveloping metal shades come into the luminous feature category owing to the high proportion of light they trap, even when pierced with the traditional tiny stars or holes. Although often most attractive, they cannot be recommended for reading or writing, as the small patch of bright light projected onto book or paper will produce glare unless the brightness of the immediate surroundings has been brought up to a comparable level (see L.1) by light from other fittings. When reversed and used in conjunction with a reflector, as in Fig. 1c, a soft pleasant light is obtained, but of low intensity unless several such units are combined in a cluster. Then the quantity of light obtained may be adequate, but the efficiency remains poor, as in other forms of indirect lighting, of which this is a special case (see L.2).

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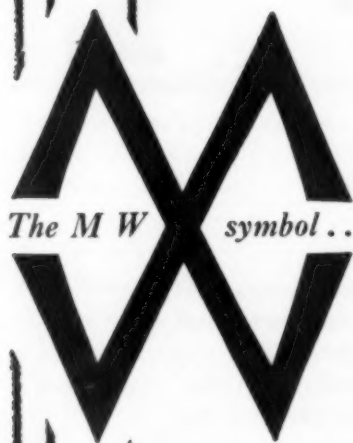
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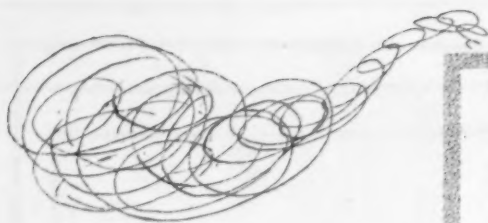


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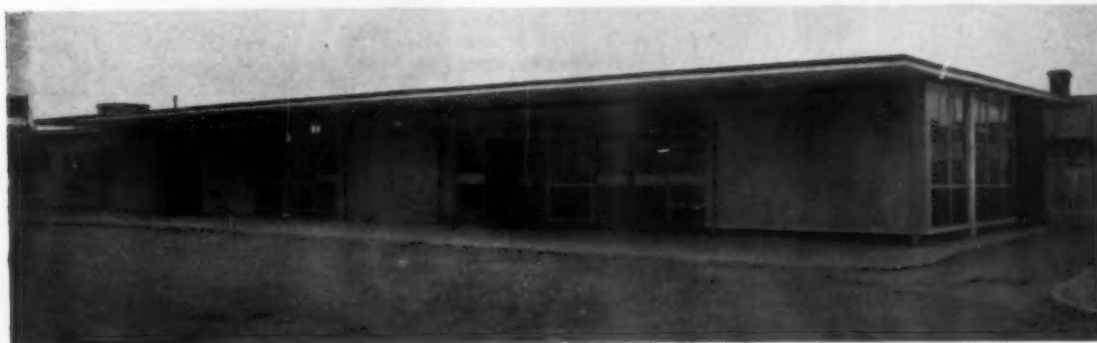


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LEGAL COMMENTARY - An Eventful Year

IT is intended in these columns, month by month, to review briefly changes which take place in the law and its administration which affect building and land. As this involves a very large amount of material, it will be understood that no very detailed treatment is possible. Attention will be drawn to the occurrence of such changes and the more important of them will be explained in outline. It should be emphasized that reliance should not be placed upon any explanation of a legal matter given here without reference first, either to the original material or to a competent adviser. Such limitations are particularly true of this initial review because all the transactions of 1954 have to be considered, and they are, therefore, treated only very briefly.

The year 1954 has been one of the rather contrasting trends. For example, bureaucratic methods have come under heavy fire, as in the Crichton Down affair, and much has been done as a result to limit the activities of central departments. The most outstanding instance of this trend has, perhaps, been the abolition of building licences. Yet, at the same time, legislation has been enacted which bears all the marks of a more bureaucratic attitude. A similar contrast in trends is to be seen in the nature of legislation. The year's legislation has included an extremely simple Act on Contracts and has also produced an unusually complex Statute on Town and Country Planning. In almost all departments the trends of activity have been of a contrasting nature.

Contractual Matters

The outstanding feature of the year in matters of contract has been the enactment of a mercifully short and readable Act. This was a Private Member's Bill. It bears the forbidding title of the Law Reform (Enforcement of Contracts) Act, 1954, and became law on June 4. It does not apply to Northern Ireland, but does to the rest of Great Britain. In brief, the Act, among other things, repeals those parts of the Statute of Frauds, 1677, which required written evidence to support an action to enforce contracts not to be performed within one year. It makes certain other changes which are not relevant here. It is important to observe that it does not alter the need for written evidence or evidence of part performance in an action to enforce a contract for the disposition of land.

Some matters relating to contracts have been the subject of decisions by the Courts. These are various and are rather at random. The vexed question of Architects' negligence has been aired again, and in *Rayment v. Needham & Son* (which was heard late in 1953) the Queen's Bench observed that negligence was not lightly to be found against architects. The case itself, which repays reading, concerns the appearance of dry rot in a building after war damage reconstruction. The liability which arises where damage is caused by installations not skilfully done is another constant point of interest. In this connection *Gilbert v. Coward* is worth noting, since it touches on the matter. Also in the field of professional affairs was the subject at issue in *Rabin v. Mendoza & Co.* before the Court of Appeal. Here a Surveyor's report was made as a result of a "without prejudice" interview. When the plaintiff sought an order for the report to be produced it was held that the report was entitled to the same protection as that accorded to the interview.

When payments can be made to sub-contractors by the employer is a matter which always causes difficulty, and this question was considered in *Tout v. Finch*. Both the facts and the findings in this case were rather complicated, but those concerned with such matters should not fail to read it. Another case with special circumstances but of some

general interest was that of *Moore v. Shawcross*. This concerned an attempt by a contractor to obtain the benefit of the R.I.B.A. form of contract though he had not actually entered into such a contract.

Finally the perennial problem of the contractor's liability for children on the site has once more been the subject of a judicial decision. In *Davis v. St. Mary's Demolition & Excavation Co., Ltd.*, the duty of care which contractors occupying a site owe to trespassing children was considered and reviewed.

Building and Byelaws

Pride of place in legal events connected with building plainly goes to the abolition of building licences by virtue of the Defence Regulations (No. 7) Order, 1954, which came into effect on November 10. Not only will joy be unconfined in Building Circles, but we are told that the change will save the Ministry of Works £150,000 a year. Other, but not so far-reaching changes, have been occurring in the realm of building byelaws. The Minister of Housing said in April that 1,321 local authorities had adopted byelaws based on the new model. In June he added specifically that the minimum ceiling height of 7ft 6in was now of almost universal application.

Those parts of the London Building Acts which concern dangerous structures are under fire from the L.C.C., whose Town and Country Planning Committee are urging the Council to promote legislation in the present session of Parliament. The changes they seek mostly relate to the recovery of expenses in connection with dangerous structures and the power to enter adjacent and adjoining land. The L.C.C. also figured recently in a case concerning the London Building Act, 1930. The L.C.C. alleged that "a structure" had been erected in contravention of the Act. The case, *L.C.C. v. Tan*, was noteworthy because of the examination given to the meaning of "structure" for the purposes of the Act. Another case which involved the London Building Acts was that of *Solomons v. R. Gertzenstein, Ltd.* This concerned the liability to maintain a fire escape in good order and for whose benefit that duty was intended, and contains an interesting judgment on this difficult matter.

Builders are often closely concerned with the cost of street works. This issue was raised in an interesting form in *Southgate Borough Council v. Park Estates (Southgate), Ltd.* The builders in this case objected to the Council's proposals on the grounds that they were premature and therefore "unreasonable." The matter went as far as the Court of Appeal, where the issue as to what is meant by "unreasonable" was considered at length. Builders who do not read it may at least be glad to know that *Romer, L. J.*, said: "To spend £6,000 on a road which might be smashed up entirely at any time in the near future, the company having been given the liberty to develop . . . seems to me just about as profound a waste of money as the human mind is capable of conceiving."

Housing

Among the more complicated enactments which have been placed on the Statute Book this year is the Housing Repairs and Rents Act, 1954. Discussion on the aspects of the Act which deal with rent increases has been so vigorous that there seems little more to add to it. All the indications are that in practice the procedure involved carries the art of form-filling to a new high. It is still too early to say how well it will all work, and particularly whether it will achieve its avowed object of preventing the progressive deterioration of many houses. But the argu-

ments on rent increases have tended to obscure the fact that the Act deals with many other matters.

The Act contains, among other things, revised powers for the payments of grants towards the improvement and conversion of certain classes of house. The Minister put forward these provisions in the hope that they would encourage more applications under Part II of the Housing Act, 1949, than have been made so far. While the Bill was still passing through Parliament the Minister issued a Circular (36/54) which stated that "the Government wish to give every possible encouragement to local authorities and to private owners who wish to modernize and make better use of existing houses by improvements and conversions." The Circular sets out a number of useful points in connection with these grants. It may be worth remarking, in passing, that the Minister has directed that "From now on, reasonable expenditure of . . . professional fees may be taken into account for all purposes." The Circular also adds that "It is desirable that improvement schemes should be prepared and carried out with proper professional and technical advice." This Circular, which will repay attention by those interested in such matters, should be read in conjunction with Circular 55/54, which brings the statutory conditions up to date. The Ministry also threaten to produce a Handbook on these matters. It can only be hoped that it is not so unconscionable a time in preparation as many of the Ministry's Handbooks.

The Act once more brings slum clearance proposals into life. Local authorities must now, under Part I, submit to the Minister proposals for dealing with their slum houses. Another Circular (30/54) sets out very clearly the procedure to be followed by authorities and stresses that the Government wish that "local authorities should now take up again, as a matter of urgency, the campaign of slum clearance which the war interrupted." The matter has been amplified by the Circular (issued since the Act was passed) mentioned above (55/54), which discusses the administration of these powers.

On the construction side the Ministry have launched a fresh campaign to bring the powers of the Small Dwellings Acquisition Acts, 1899 to 1923, and the Housing Act, 1949, relating to loans into more effective use. A Circular of unusual interest (42/54) asks local authorities to make more readily available and more widely known the facilities which exist to help people with small incomes to buy houses. It also asks local authorities to make use of their power to guarantee loans by Building Societies. The latter scheme enables the local authorities to help would-be purchasers without the authority having to advance any money themselves. These arrangements are examined at length and in detail in the Appendices to the Circular.

Finally, it may be of use to note briefly the passing of an Act which, though rather outside the scope of matters here reviewed, is nevertheless an important document. The Landlord and Tenant Act, 1954, though it attracted little attention during its passage through Parliament, nevertheless effects important changes in property law.

Compulsory Purchase

The Crichton Down affair marked the high spot of the year from many points of view. Doubtless it will have its effect upon compulsory purchase activities, but the broad management of compulsory purchase continues substantially unchanged. The Chancellor of the Exchequer confirmed in the House of Commons in February that there was no statutory obligations on the confirming Minister to give his reasons for confirming a compulsory purchase order. As a matter of practice, where reasons are given they are often not readily comprehensible. The cases which have occurred during the year almost all deal with marginal matters. In *Darlassis v. Minister of Education* the question

of the Minister receiving undisclosed information from another Ministry after conclusion of the public inquiry was ventilated again. Another familiar topic, the view of the site by the Inspector, formed the subject of *Ryder v. Minister of Housing and Local Government*, but under somewhat unusual circumstances the view not being material to the Minister's decision in that instance.

Town and Country Planning

Towards the end of the year the Romford Borough Council's action in purchasing by compulsory powers certain land brought the Pilgrim case, with its tragic ending, into the news. This single case proved more effective in altering the provisions of the Town and Country Planning Bill, 1954 (now an Act) than a great deal of more reasoned discussion to which the Minister and Government proved deaf.

The new Act, which is far too complex to be considered at any length here, will be described elsewhere in this Journal. Broadly it is the sequel to the 1953 Act which abolished development charges. The Act which came into force on January 1 sets out to do three main things. In the first place, it provides for "unscrambling" the financial provisions of the 1947 Act. Those people who have an admitted claim on the £300 million fund under the 1947 Act may claim payments for certain losses they have incurred or sums they have in certain circumstances paid. Such cases are hedged about by more difficulties than most potential applicants seem yet to realize. All applications for these payments (except claims for past planning restrictions) must be made on forms to be obtained from the Central Land Board and *must be sent to the Board not later than April 30, 1954.*

The second purpose of the Act is to settle the compensation which will be paid where any planning restrictions are imposed in future or where any previous planning permission is revoked and modified. Finally, it fixes the amount of compensation to be paid in cases where land is compulsorily acquired. It should be clearly noted that the Act only affects compulsory acquisition by settling the *price* to be paid for the land involved. As usual the opportunity has been taken to deal with a number of other, strictly unrelated, but largely minor, matters.

The Act in its final form bears little resemblance to the original Bill. In its passage through the House of Commons it lost five clauses and three Schedules and gained three new clauses. At least thirty-five clauses were substantially altered. Even now it may be doubted, despite the observations of at least one distinguished commentator, whether the complicated and uncertain structure created by the Act can either work well or last long. For the present, however, it is likely to give many a reader sleepless nights.

The 1953 and 1954 Acts together make planning permission a very valuable thing and they, therefore, add importance to planning inquiries and the removal of restrictions on building are also likely to have their effect on these inquiries. The number of planning appeals has already been rising; in 1953 the number of appeals lodged under the Ministry of Housing was 4,456, and it is likely to be a higher figure for last year. The Minister stated in the House of Commons in March that he was taking steps to shorten the time taken to decide these appeals. He also comfortably said that having considered representations on improvements to the present procedure he regarded the present arrangements as appropriate. How long this will continue to be the official view of a matter which gives little satisfaction elsewhere must remain to be seen. Of more pressing importance is the capacity of the Ministry to deal effectively with the increased volume of appeals of all kinds likely to be generated by the new Act.

Meanwhile, the position in planning is not rendered easier by the tardiness with which development plans are received

[Continued on page 97]

**Solid ground
floors, covered
with MARLEY
tiles, as well
as being the
best...**

COST LESS



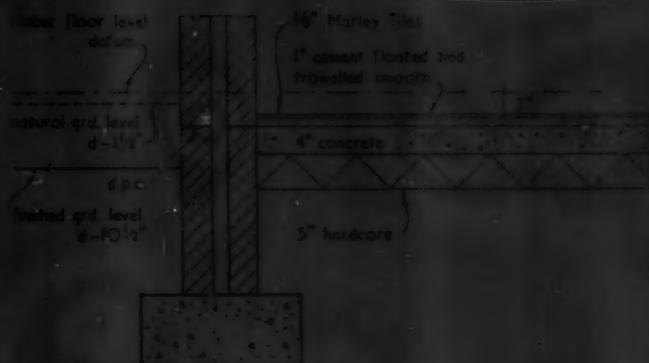
The illustrations on the right summarise the detailed information on two of the fourteen examples of flooring costs given in the Marley publication FF.2. The

costs throughout the booklet have been compiled by a reputable independent firm of chartered quantity surveyors, and are based upon current competitive prices for houses.

EXAMPLE A For Normal Type of Site

38 yds. sup. Excavate, remove and deposit at 1 td.	2 1 2	5 ft. run Form pipe chase at 1 td.	5 0
2 yds. cube. Backfill to make up level at 4 td.	19 0	31 yds. sup. 1" screed at 4 td.	7 9 10
4 yds. cube. Remove and spread surplus at 5 td.	1 0 0	31 yds. sup. 1" Marley Floor Tiles at 11/3 td.	17 10 1
31 yds. sup. Hardcore and bunding at 3 td.	5 18 10	6 ft. run Galvanised steel bar at 27/6 td.	1 3
31 yds. sup. Concrete bed 4" thick at 5 td.	9 0 10		

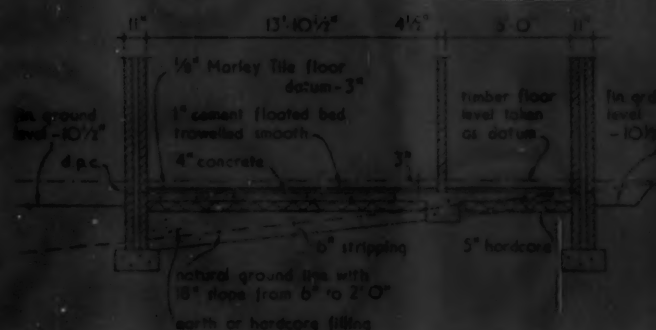
Total for Example A £44 16 0



EXAMPLE C2 For Sloping Site (18" crossfall from front to rear)

38 yds. sup. Excavate, remove and deposit at 1 td.	2 1 2	31 yds. sup. 1" screed at 4 td.	7 9 10
2 yds. cube. Filling to make up level at 4 td.	2 3 11	31 yds. sup. 1" Marley Floor Tiles at 11/3 td.	17 10 1
31 yds. sup. Hardcore and bunding at 3 td.	5 18 10	6 ft. run Galvanised steel bar at 27/6 td.	1 3
31 yds. sup. Concrete bed 4" thick at 5 td.	9 0 10		
5 ft. run Form pipe chase at 1 td.	5 0		

Total for Example C2 £42 14 8

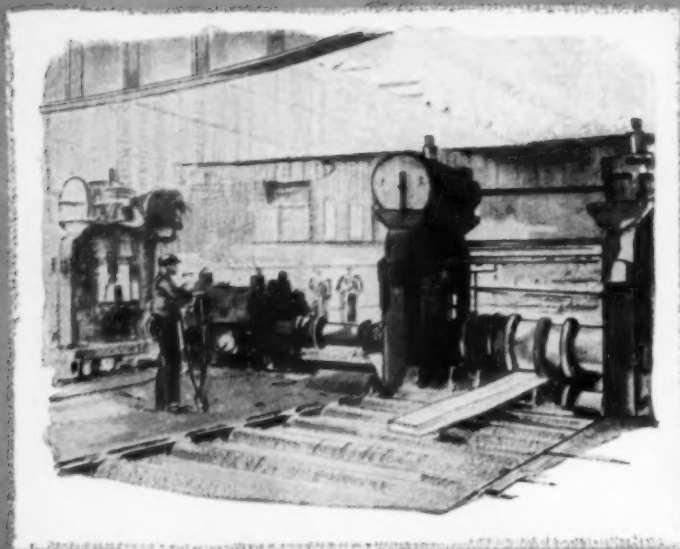


SOLID FLOORS CUT COSTS



The Marley Tile Company Limited, London Road, Riverhead, Sevenoaks, Kent Sevenoaks 2251
London Showrooms (Floor Tiles) at Alfred Goslett & Co. Ltd., 127-131 Charing Cross Road, W.C.2 Telephone Gerrard 7890

BUILDING WITH STEELWORK



A building begins to take shape

At every successive pass through the rolling mill, the shape of the structural steel 'section' becomes more clearly defined.

Already subjected to meticulous quality control before reaching the mill—it is then checked for accuracy of dimensions and for its mechanical strength. Later, when the rolled sections are fabricated into structural members, checking for dimensions, sequence of delivery and ease of erection are all equally strict. This accuracy is not confined to the physical side, for—since the properties of steelwork sections are absolutely consistent—calculations are simple, straightforward and rapid. Moreover, the design of connections is based upon long practical experience and is backed up by the knowledge that they are visible and foolproof and will be 'according to plan'. As a result, the steel frame goes up with Meccano-like simplicity, undeterred by bad weather, without dependence on other trades, without delays for setting or drying out, soon to be ready for whatever cladding its architect has chosen.

The structural steelwork industry is at your service, with experienced and well-equipped fabricators throughout the country.

BRITISH CONSTRUCTIONAL STEELWORK ASSOCIATION

ARTILLERY HOUSE, ARTILLERY ROW, WESTMINSTER, LONDON, S.W.1



B.C.S.A.

ing approval. London is a particular case in point. In July, one year after the end of public inquiry into the plan, the Minister stated he was unable to say when he could announce his decision on the plan.

In Conclusion

The New Year sees several new pieces of legislation each large, each complex, each little understood, face their first full year of operation. They will all undoubtedly give rise

to a great deal of perplexity in the Courts at Inquiries and elsewhere. It is to be hoped that the administration of these matters will be simplified wherever possible. May we also hope for some clear practical directions from the relevant authorities. Perhaps even more to the point, may these directions be available before the matters with which they deal become common knowledge. But whatever aid be forthcoming the coming year is likely to be a strenuous one.

F. H. B. LAYFIELD

Information Digest

OFFICIAL PUBLICATIONS

- **National Building Studies Research Paper No. 24. A Study of the Interreflection of Daylight Using Model Rooms and Artificial Skies.** Published by H.M.S.O., Price 2/-.

This research paper discusses the problem and describes the studies carried out by the B.R.S. on the subject of reflection of daylight and direct daylight in building. Until recently the study of daylight in rooms has been based on the premises that the sky is uniformly bright and that only direct light from the sky need be considered in calculating the daylight factor. Both these premises are wrong. Sky brightness varies between horizon and zenith and reflection plays a great part in the lighting of a room. In modern buildings the effect of indirect lighting is often greater than that of direct daylight. With reasonable accuracy the total daylight factor at a point in a room can be related by means of simple calculation to distance from windows, ceiling height, reflection factors of walls, floor and ceiling. A method has now been devised for making the necessary computations on a specially designed slide rule calculator described in this publication which is to be produced commercially.

- **British Standard Specifications.** Issued by B.S.I. British Standard House, 2 Park Street, London, W.1. Telephone: Mayfair 9000.

Building Materials and Components for Housing. Addendum No. 1, 1954 to B.S. Handbook No. 3 1953 Edition. Price 6/-.

This publication contains summaries of new British Standards published since August 1, 1953, relating to building materials and components for housing. It also includes revisions of summarized British Standards in Handbook No. 3, amendments to summaries, corrections to errors in the 1953 edition of the handbook and a list of Standards which have been withdrawn.

- **B.S. 2503:1954. Steel Windows for Agricultural Use.** Price 2/6 nett.

This British Standard provides for windows which are primarily intended for use in cow houses, but also suitable for use in some other agricultural buildings. The construction of the windows follows closely on that specified in other British Standards for domestic and industrial buildings.

- **British Standard 2504:1954. Wood Doors and Frames for Milking Parlours.** Price 2/6 nett.

This Standard covers the use of wooden doors and frames for milking parlours designed to stand heavy usage and continual washing down of the buildings concerned. The doors in question can be hinged or sliding and are designed to provide a clear opening 3ft 3in wide between jambs.

- **B.S. 2050:1954. Cowhouse Equipment.** Price 2/6 nett.

This Standard has been prepared by a Dairy Buildings Committee and forms one of a series of standards for farm buildings and their equipment. It was considered that it would be helpful to have standards for both mangers and stall divisions as part of the equipment for cowhouses combined in a single document.

- **British Standard 1557:1954. Polythene-insulated Cables Sheathed with P.V.C.** Price 5/-.

This edition supersedes B.S. 1557:1949 but deals only with polythene-insulated cables sheathed with P.V.C. for electric power and lighting up to 200 volts.

- **B.S. 2521-4:1954. Ready Mixed Oil-based Priming Paints.** Price 3/- nett.

This group of British Standards provides for six priming paints all of the type known as ready-mixed linseed oil paint. Following the publication of this volume the following British Standards are being withdrawn: B.S. 929, B.S. 1011. The new standards include primers for woodwork, for interior use and for iron and steel, and are designed for use under ready mixed oil based paints, covered by British Standard 2525-2532.

- **B.S. 2525-2532:1954. Ready Mixed Oil-based Undercoating and Finishing Paints.** Price 6/- nett.

This group of Standards relates to ready-mixed oil paints for exterior use and the following British Standards for ready-mixed paints are therefore withdrawn: B.S. 261, 262, 293-4-5, 371 and 929. The group of Standards provides for undercoating and finishing paints of the types known as straight linseed oil paints, but do not apply to hard gloss paints, enamel paints, etc.

- **B.R.S. Digests.** Issued by H.M.S.O. Price 3d. each.

- **No. 36 (revised). Sound Absorbent Treatments.**

This revised digest issued in September, 1954, deals with the various methods of sound absorbent treatment for different positions and different types of room. The digest gives a general introduction on the use of absorbents, describes the various types of absorbents available, gives a list of common building materials and their absorption coefficients, and concludes with a series of tables illustrating points raised in the digest.



The Managing Director's Office in the new office block recently completed by the AC-Delco Division of General Motors for their Southampton Factory. Illumination is provided by a hollow square Ediswan laylight panelled with diffusing glass fitted flush with the acoustic tile ceiling. The panels conceal eight 125W. 8ft. New Warm White Royal "Ediswan" fluorescent lamps. Architects: Howard, Souster & Fairbairn.

Information Digest (continued)

No. 70. Some General Principles of Lighting of Buildings.

The contents of this digest are well described in its title and the digest deals with some of the general principles of artificial and natural lighting in buildings, and sets out simple requirements and rules in relation to the design of lighting.

No. 71. Frog Up or Frog Down.

This digest deals with the old problem of whether a Fletton brick should be laid with its frog upwards or downwards. The general conclusion of the digest is that the difference in the properties of brickwork laid on the one hand frog up and filled, and on the other hand frog down unfilled, is not likely to be important for brickwork built to the rules set out in the Third Schedule of the Model Byelaws. These rules, of course, cover the major part of brickwork now being built, including solid or cavity brickwork for two-storey houses. The digest discusses the basis of this conclusion and makes reference to less common conditions in which it may be necessary to consider the effect of the two methods of laying on the strength of brickwork.



The warming of streets and open spaces by overhead heating is gaining in popularity. The illustration shows an installation outside the Wales Gas Board Showrooms at Barry, Glamorgan by Radiant Heating Ltd., of Radiant Works, Barnsbury Park, London, N.1. Telephone: North 1677.

● List of Government Publications on Building. Published by H.M.S.O., York House, Kingsway, London, W.C.2. Free.

This publication is a catalogue of publications issued by the Ministry of Works, Ministry of Housing and Local Government, and other Government Departments including D.S.I.R. and the Building Research Station, concerned with building and civil engineering.

● Forest Products Research Bulletin No. 32. Field Tests on Wood Preservatives Used for Pressure Treatment. Published by H.M.S.O., York House, Kingsway, W.C.2. Price 2/6 nett.

Field tests on wood preservatives have been carried on at the Forest Products Research Laboratories since 1928. Results obtained up to the end of 1953 on preservatives normally applied under pressure are given in this publication. The publication describes the different types of preservatives, the nature of the tests, and the results so far obtained. Although these are not all complete the information now available indicates the general behaviour of the different classes of preservative and those most likely to be satisfactory in use.

PROFESSIONAL AND TRADE ASSOCIATION PUBLICATIONS

● R.I.B.A. Conference on the Design of Health Buildings. Issued by the R.I.B.A., 66, Portland Place, London, W.

This Conference was held from October 21 to 22, 1954, and the R.I.B.A. have now published the report on the discussions which took place. The original papers given at the

Conference were printed in the R.I.B.A. Journal and in most of the technical journals.

● Cable Makers Association Publications. Issued by C.M.A., High Holborn House, 52/54, High Holborn, London, W.C.1. Free.

The Association has recently issued three booklets dealing with plastic cables and flexible cords, paper insulated power cables, current ratings for aluminium cables. It is intended that in the near future the fourth booklet on Modern Rubber Cable Technology will be added to the collection. Further booklets will be produced as suitable subjects present themselves from time to time.

● The Riveting of Aluminium. Information Bulletin No. 8. Issued by the Aluminium Development Association, 33, Grosvenor Street, London, W.1. Telephone: Mayfair 7501. Price 2/-.

This information bulletin has been completely revised and enlarged to take into account the results of experience over the past few years. The first edition of the bulletin published in 1944 dealt with rivets up to $\frac{1}{2}$ in diameter and was largely concerned with aircraft practice. The revised edition covers a much broader field and applies to the needs of users of riveting in every type of structure.

● Tables of Hygrometric Data for Air. Published by the Institution of Heating and Ventilation Engineers, 49, Cadogan Square, London, S.W.1. Price 10/- nett.

This publication consists of a series of tables of hygrometric data for air conditioning calculations, together with supplementary data for temperatures up to 300° F.

● Thirteenth Annual Report of the National Buildings Record. Issued by National Buildings Record, 31, Chester Terrace, Regent's Park, London, N.W.1. Free.

This gives the report on the work of the Society for the period ending April 12, 1954. It records the activity of the Council and illustrates some of the buildings in which it has been interested. The income and expenditure account is also included.

● Frost Aid by the Water Companies Association, and Frost Precautions "Code of Practice," from the Cambridge Water Works Company, 4 Bernet Street, Cambridge. Price 1/-.

An illustrated pamphlet has been produced for the benefit of all householders requiring information about the most effective way of ensuring against frozen pipes and fittings. The protection of water pipes and fittings against frost is the subject of 'Code of Practice' compiled by a working party of Cambridge architects, builders and plumbers, under the chairmanship of Mr. Philip Porteous, Managing Director of the Cambridge University and Town Waterworks Company. The Code, believed to be the first of its kind in the world, is the result of considerable painstaking work, and will now be placed at the disposal of builders and architects throughout the country.

In Cambridge the Code has been approved by the local authorities, the Water Company and the architects' and builders' organizations.



Showroom for Langley London Ltd.

In its introduction, the Code stresses that the architect, builder and plumber, having done everything practicable to provide frost-proof plumbing still need the intelligent co-operation of the householder if trouble is to be avoided. The Code suggests that private house owners or council tenants should be instructed how to drain down the hot and cold water systems and to protect pipes and fittings during cold weather. Space heating and the insulation of buildings against loss of heat is also referred to in the Code.

Appendices to the Code include a tabulated list of various types of insulating materials with current prices of each type, and suggested specification clauses for inclusion in building contracts.



- **New Showroom** for the English Electric Co. Ltd., 28 Kingsway, W.C.2. Telephone: Holborn 6966.

An attractive new all-electric kitchen has just been completed in the Queen's House Showroom of The English Electric Co. Ltd., in London. Dimensions of the kitchen are 17ft long by 12ft wide with working surfaces and appliances arranged to give a preparation and cookery section divided by a stainless steel sink unit from the home laundry section.

In the cookery section the sink, a new English Electric EA8.3 cubic foot refrigerator is featured, with a Food Mixer and automatic cooker. A revolving cupboard with two tiered shelves makes full use of corner space. At the left of the sink, a new Tumbler Dryer is installed and a movable washing machine with 3kW immersion heater is stowed next to the Dryer ready to wheel into position.

A gay tartan wall covering is a new plastic by Tygan, counter tops are Formica, and the floor is covered in Korkid. All the appliances are in white enamel finish, a range of appliances in cream enamel finish are displayed in a demonstration kitchen adjoining the main showroom.

- **New Showroom** for Langley London Ltd., at 163-5-7 Borough High Street, S.E.1. Telephone: Hop 4444.

The new showroom is for the display of a comprehensive selection of clay roofing tiles, floor and wall tiles, salt glazed stoneware, ceramic wall screens and bituminous roofing felts. At the rear of the main part of the showroom is a collection of ancient and unusual roofing and floor tiles dating from Roman times, and from all parts of the world.

The floors are laid in a variety of finishes and there are a number of display panels showing other colours and materials. In the roofing area there are thirty display panels and two models to a large scale depicting methods of framing a roof to economize in timber.

The general design of the showrooms was worked out in collaboration with Mr. S. A. Victor, then of Messrs. Frederick Sage & Co., Ltd., and that company carried out the work. The schemes for the glazed ceramic wall facings are the work of Anthony Carter, M.S.I.A.

- **Credit Sale Facilities.** The Coal Utilization Council in conjunction with the Mercantile Credit Co. Ltd., Argyll House, 246-250 Regent Street, London, W.1.

Householders and tenants will be able to obtain the latest fires, stoves, cookers, and other improved domestic solid fuel appliances on easy payment terms under a scheme announced by the Coal Utilization Council.

A list of these appliances, which are recommended by the Council as attaining a high standard of efficiency, is published by the Council every six months, in consultation with the Ministry of Fuel and Power. All the appliances listed will burn smokeless fuels as well as household coal.

The Coal Utilization Council has made arrangements with the Mercantile Credit Co., Ltd., a London finance house, for credit facilities to be available to members of the Council's Panel of authorized distributors. There are about 750 of them throughout Britain.

Under the C.U.C. scheme the public can pay for a new appliance over a period of two years or less. They can also have a fireplace surround installed and the cost of this and the installation of both the appliance and surround may be included in the credit sale agreement in certain circumstances.

The scheme will operate independently of any Government subsidy for modern appliances which might be sanctioned following a recommendation of the Beaver Committee on Air Pollution.

TRADE PUBLICATIONS

- **Bitumen Coatings for Thermal Insulation.** Issued by Berry Wiggins & Co. Ltd., Field House, Breams Buildings, Fetter Lane, E.C.4. Holborn 0941. Free.

This publication relates to the use of bitumen compounds for the purpose of waterproofing a variety of materials used in high temperature insulation work, low temperature insulation work, and the gas sealing of fruit stores. The book gives detailed specifications for the proper use of the bitumen products, details of the bitumen compositions used in insulation work, and covering capacity tables. A useful and well compiled document.

- **Warm Air Heated Shoe Shop** for Messrs. Abbotts Shoe Store, by Radiation Ltd., 7, Stratford Place, London, W.1.

This new extension to their existing premises at 324, Oxford Street, architects: Vigers & Co., decorated by A. J. Milne, is centrally heated by the radiation system using a gas heater. Room thermostats control the operation of the burner and propeller fan. The supply ducting, in lagged metal, is at floor level and is built into the fittings. Return air is taken in similar ducts at the top. This system of heating claims



a uniform distribution of heat with a maximum variation of temperatures of only one degree F at any point. A hot air system is considered ideal for a shoe shop as it provides the damp-proof atmosphere necessary for the storing of leather. The shopfitters were E. Pollard & Co., Ltd. The agents for Radiation, Ltd., were Broad & Co., Ltd., of Paddington.

- **The Durability of Aluminium in Building.** Issued by the Northern Aluminium Co. Ltd., Banbury, Oxfordshire. Telephone: Banbury 2242. Free.

In recent years aluminium has more widely been used as a building material and particularly as a cladding material for roofs and walls. One of the problems, however, that face both architect and building owners is the question of durability. This booklet explains how exposure to weather effects aluminium, and gives evidence consisting of long-term expo-

Information Digest (continued)

sure test results and actual case histories of the metal's behaviour under various conditions. It should be of interest to all who are concerned with the design or maintenance of buildings, etc., where aluminium might be used. Photographs of various examples of aluminium cladding which have been in position for many years are included in the brochure.

- **Silesters.** Issued by Monsanto Chemicals Ltd., Victoria Station House, London, S.W.1. Free.

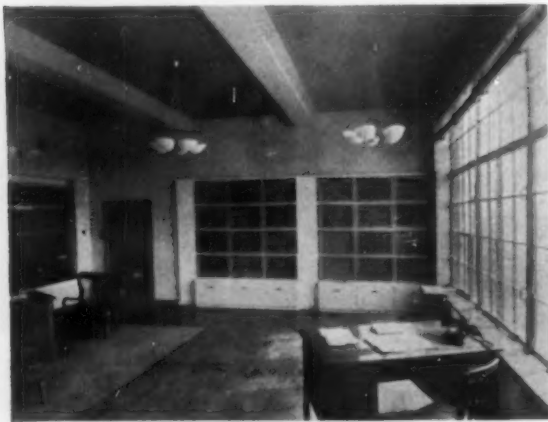
This brochure describes the use of Silesters for the preservation and restoration of old stonework, and the treatment of new stonework or stonework after cleaning. The Silester reacts readily with water and forms a protective coating which progressively hardens and is highly resistant to weathering and chemical attack. It has been used on many ancient buildings and reports received show that after many years the effect of the application is still satisfactory.

- **The Orlit System.** Issued by Orlit Ltd., Colnbrook By-Pass, Colnbrook, Slough, Bucks. Telephone: Colnbrook 351. Free.

These two booklets consist of a series of photographs and short descriptions of various buildings carried out in different parts of the country using the Orlit system of precast concrete structural framework. The first booklet deals entirely with schools and shows a large number of schools of various types where the framework has been used. Unfortunately, no drawings or diagrams are included. The second booklet deals with the London Hospital Research Laboratories which are under construction using the Orlit system and in this case a large number of progress photographs show quite clearly the type of concrete framework employed and a cross section indicates the general sizes of the beams and other units used.

- **New Brick Showroom** for Broad & Co. Ltd., 4 South Wharf, Paddington, London, W.7. Telephone: Paddington 7061.

This new showroom, architects: John Grey & Partners, has been designed to provide large brick panels with excellent daylighting. Good light is an important consideration when choosing facing bricks; not only is there a large window on the long wall of the showroom but there is a north-light overhead as well.



There are enough panels on view to give an example of every type and colour of facing bricks and practically all manufacturers in the southern half of England are represented. Under each panel there is a locker containing loose bricks for the architect to handle; next to the showroom there is a large store with other samples not on view in the panels. In the same showroom there is displayed a range of roofing tiles so that they can be selected at the same time as the bricks. The general colour scheme of the showroom is natural wood with white and pale blue paint work; the ceiling is dark blue.

- **A Pocket Book of Fluorescent Lighting** from Smart & Brown (Engineers) Ltd., of 105 Judd Street, London, W.C.1. Telephone: Euston 8216. Free.

Supplies of this publication can also be obtained from the Head Sales Office, 8 Rose & Crown Yard, King Street, St. James's, S.W.1, or at any of their works or branches.

- **Preference Bartrev.** Issued by Vere Engineering Co. Ltd., 3 Vere Street, London, W.1. Free.

These two brochures give details of the production and use of Bartrev board which is now made on an automatic press capable of producing up to 20,000 tons of board per annum. One of the interesting facts in the manufacture of this particular board is that it can be produced as a continuous sheet and of any given length. The only limitation being the vehicle employed for transport purposes. Bartrev board can be used plain or veneered with wood veneer or faced with metal, and is available for use for making furniture and fittings, panelling, ceilings, partitions and a variety of other purposes. It also has a considerable field in pre-fabricated building work and makes a simple and economic form of shuttering. The publications illustrate a large number of uses of the board and give a considerable amount of information concerning the method of use and the proper way of machining. No details of costs are quoted and the physical properties of the board, i.e., insulation value, etc., are not quoted.

- **Industrial Management.** Issued by the United Steel Companies Ltd., 17 Westbourne Road, Sheffield, 10. Price unstated. This publication consists of a course of lectures given at the Cambridge University for the Faculty Board of Engineering in 1953. The lectures are entirely concerned with industrial management related to the steel industry and a foreword is written by Professor J. M. Baker of the Department of Engineering of the University of Cambridge. The report and lectures are illustrated by photographs and diagrams.

- **Modernising the Older House** by Radiation Ltd., Solid Fuel division, Radiation House, Stratford Place, London, W.1. Telephone: Mayfair 6462.

The main purpose of the booklet is to show what is being done all over the country to convert structurally sound but outmoded property into acceptable homes so as to give adequate heating, hot water supplies and cooking facilities at low cost.

The financial provisions of the Housing Repairs and Rents Act, 1954, help property owners to arrest the running down of property and to brighten the lives of the occupants, while the wide range of appliances shown in this booklet shows how Radiation is playing its part in the National Scheme.

- **Paper Clip to Complete Office.** D. Matthews & Son Ltd., Liverpool 1. Telephone: Central 2694.

A new catalogue of office furniture, profusely illustrated, containing everything required for the business office and including drawing office equipment.

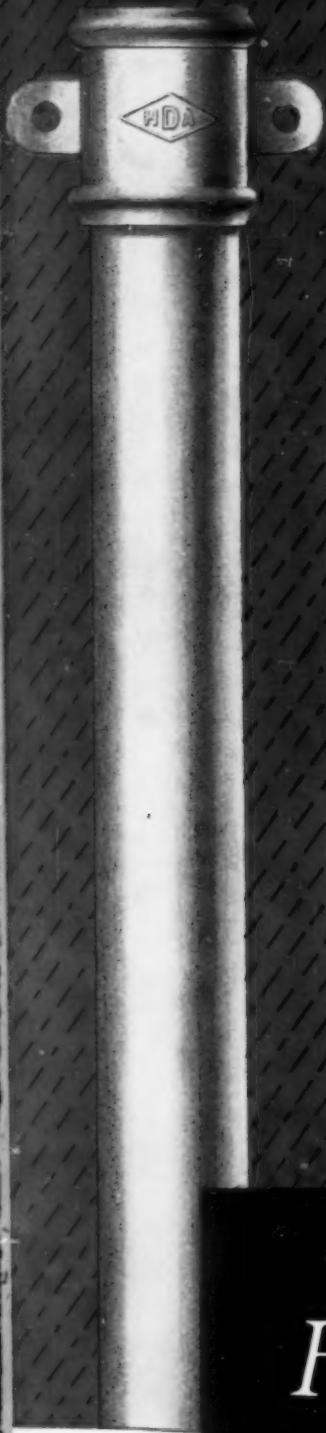
- **The Design and Treatment of Metal Windows and Doors.** Issued by the Morris Singer Co., 159 St. John's Street, E.C.1. Free.

This is an extremely well produced catalogue of metal windows and similar components, produced by the Morris Singer Company and consists not only of photographs illustrating various types of metal window, metal doors, metal partitions, etc., but each example is illustrated by excellent dimensioned drawings which give a considerable amount of useful information. The contents and production of this catalogue can be regarded as examples of what a catalogue for architects should be like and its producers are to be congratulated on the very high standard of this work.

- **Floor and Wall Tiles.** Issued by Minton Hollins Ltd., Patent Tile Works, Stoke-on-Trent. Telephone: Stoke-on-Trent 47471. Free.

This publication is primarily devoted to reproductions of parts of the Minton Hollins showrooms, showing the application of wall and floor tiling to a variety of sections of a number of different types of building. The design standard of some of the interiors leaves much to be desired and the suggested application of glazed wall tiles sometimes appears

[Continued on page 101]



When it
comes to
Rainwater
Goods



Hiduminium
makes the most of

Aluminium

HIGH DUTY ALLOYS LIMITED • SLOUGH • BUCKS

TWA...

CHOSE *Accotile*^{*} FLOORING



for their Passenger Reservation Office in Piccadilly, London

An Airline Company chooses with care. That is why TWA selected Accotile Flooring for their Booking Office in Piccadilly. For TWA realised that Accotile flooring has the necessary decorative value and the durability essential to a hard-working showroom.

Today, nearly two years later, as our photograph shows, their Accotile Floor still retains its colourful beauty despite heavy traffic and has been unaffected by such mishaps as cigarette burns, etc. All Accotile Floors, whether in showrooms or elsewhere, are hygienic and easy to maintain. Samples and full details will be sent on request.

FEATURES

Available in 22 colours, 12" x 12" and 9" x 9" tiles, $\frac{1}{8}$ " and $\frac{3}{16}$ " thick, with feature strip, coved skirting, and decorative multi-coloured hand or die-cut insets of numerals, animals, ornaments, etc.

It can be laid on screeded concrete in contact with the ground.

Accotile is laid only by Armstrong Cork Co. Ltd., or approved Specialist Contractors from over 90 branches and Depots throughout the country.

^{*} British Registered Trade Mark 663698, Armstrong Cork Company Limited, Registered Users.



ARMSTRONG CORK COMPANY LIMITED, Flooring Department, BUSH HOUSE, ALDWYCH, LONDON, W.C.2. Tel: CHAncery 6281

Information Digest (continued)

to suggest too great an enthusiasm for the material concerned, for example, it is unlikely that many people would wish to have a dining room with walls covered with glazed tiles, however suitable they might be for bathrooms, kitchens and similar places. The catalogue also includes coloured reproductions of the colour range of tiles, and details of the special units available in the form of decorated tiles for fireplaces, coved and other tile units for finishing areas of tiling.

- **Super Purity Aluminium.** Issued by the British Aluminium Co. Ltd., Norfolk House, James Square, London, S.W.1. Telephone: Whitehall 7868.

This is a folder issued by the British Aluminium Co. free of charge containing a number of leaflets showing various uses for Super Purity Aluminium as roofings, flashings and weatherings. The sheets give details of the type of aluminium used and photographs of the method of application. The value, however, of these information sheets would be greatly increased if drawings could be prepared to accompany the photographs showing the way in which the detail was carried out on the job.

- **Cementing Glass to Glass.** Issued by James Clark & Eaton Ltd., Scoresby House, Glasshill Street, Blackfriars, London, S.E.1. Telephone: Waterloo 8010. Free.

For many years the glass industry have been seeking an efficient adhesive capable of making a permanent bond between glass and glass. Shop-fitting technique has normally required a metal or wood support where two glass surfaces meet. It has now been made possible, through the discovery of German scientists, to actually cement glass and make a glass-to-glass joint. The material, which is known as S.H. glass cement, is marketed by James Clark & Eaton, Ltd., and described in this four-page leaflet. James Clark & Eaton will be pleased to advise on the application of this material and fixers trained in the use of glass cement are available to undertake installation. The leaflet gives some information concerning the possibilities of all glass construction and includes a number of photographs showing how it has been applied in a number of cases.

- **Inexpensive Fireplaces.** Issued by Bratt Colbran Ltd., 10 Mortimer Street, London, W.1. Telephone: Museum 9411. Free.

A recent Information Digest referred to this publication and asked why a high proportion of the fireplaces were of non-continuous-burning type. The manufacturers inform us that any of the fireplaces shown in the catalogue can be supplied with the traditional Heaped Fire or the new Heaped Fire, which is the continuous-burning version of the well-known grate of that name.



- **Tile roofed concrete garage** by Marley Concrete Products of Peasmarsh, Guildford, Surrey. Telephone: Guildford 62986/7. A tiled version of their "Medium" type will shortly be added to the range of concrete garages by Marley Concrete

Products. Width is constant at 9ft 2in and the minimum length of 14ft 1in can be increased in multiples of 1ft 4in. Height to eaves is 6ft 6in.

Because of the skilled labour required to carry out the tiling, the garage will be sold only on a supply and erect basis at £107 9s 6d. Additional bays cost £8 15s each, and gutters and down pipes will also be available at £6 10s to £7 10s depending upon the length of the garage.

- **New Factory,** by the Scottish Construction Co. Ltd., Sighthill Industrial Estate, Edinburgh.

The new Annan Factory of the Airscrew Company & Jicwood, Ltd., for the production of their man-made timber, "Weyroc," is planned to be, when complete, the largest precast concrete industrial building in the British Isles, having a single span of 88ft. Construction of the new



factory is scheduled for completion next summer. Production of "Weyroc" at the new factory is due to commence approximately August/September, 1955.

"Weyroc" will be manufactured at Annan from forestry thinnings—the smaller sizes of timber—from the Forestry Commission and private woodlands in South West Scotland.

The photograph indicates the site of the new Factory on which work is now in progress.

At a recent Press conference held at Glasgow, a statement issued by the Scottish Council (Development and Industry) included the following:

"The new factory is of great importance to Scotland. It is the first of its kind in Scotland and—from the point of view of using forestry thinnings to make chipboard—the first of its kind in Britain."

- **Phorpres.** Issued by the London Brick Co. Ltd., Africa House, Kingsway, W.C.2. Telephone Holborn 8282. Free.

A leaflet giving a complete range of Phorpres bricks and some details as to the method of manufacture. Illustrations are also included of the Phorpres hollow partition blocks, land drains and partition bricks. Illustrations are in colour, giving some idea of the general colour range of the facing bricks.

- **Afrormosia.** Issued by Flatau Dick and Co., 9 Camomile Street, Bishopsgate, London, E.C. Telephone: Avenue 5230.

Afrormosia is one of the Gold Coast timbers recently discovered and is produced by the Mim Timber Co., Ltd., who erected a saw mill in 1948 on the Gold Coast to develop this valuable timber. About a million cubic feet have been produced to date and this leaflet describes the timber and its possible uses, strength, working qualities, etc. From the information given, it is a hard, yellowish-brown timber of about the same density as teak, extremely durable and works and polishes well. It is recommended for skip-building, for decking, floors, and high-class joinery work. It has already been used in the exterior woodwork for a number of ships.

- **Colemanoid.** Issued by the Adamite Co. Ltd., Manfield House, Strand, London, W.C.2. Telephone: Temple Bar 6233/6.

This is not a technical booklet but a brochure showing some of the many buildings throughout the country where Colemanoid has been used for waterproofing of concrete, and hardening in floors, etc.

Information Digest (continued)

- **Hernite.** Issued by Gliksten Building Materials, Carpenters Road, London, E.15. Telephone: Amherst 4444. Free.

This brochure describes Hernite the wood fibre insulation board and hardboard which is marketed by the Gliksten organization and which is made in Sweden. The publication gives full technical data concerning Hernite insulation board, including fire resistance, thermal insulation, condensation, sound insulation, and sound absorption. A section of the booklet is devoted to some general applications of insulation board and also to the Gliksten method of fixing Hernite. Similar technical information and advice is given in relation to Hernite hardboard and the booklet is well illustrated by means of photographs and drawings.

- **Paint Specifications.** Issued by Foster, Blackett & James Ltd., Hebburn, Co. Durham. Telephone: Jarrow 89-7101.

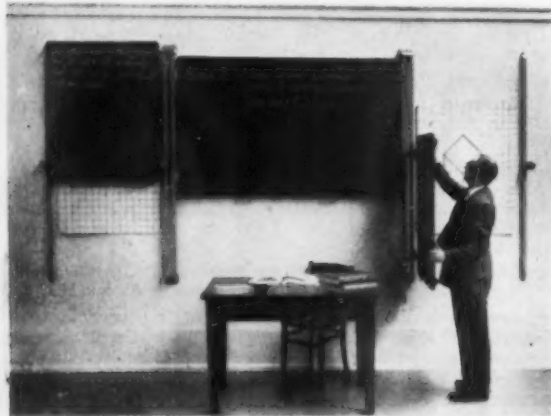
This publication contains a series of painting specifications for interior and exterior painting on both new and old work. It covers application of paints to plaster, cement, stone, brick, metal, etc.

- **Tabula Chalkboards** by the Unique Balance Co. Ltd., of Yeovil, England. Telephone: Yeovil 2231-2.

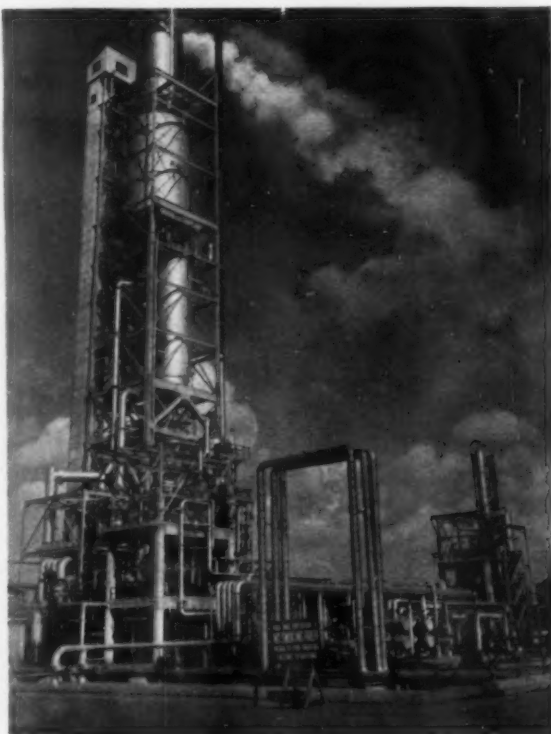
The modern chalkboard must be positioned to give full visibility to all students, yet every part of the board should be easily and readily accessible for chalking and cleaning. The ideal arrangement is a chalkboard which can easily be raised or lowered.

The Tabula Sliding Chalkboards have been designed to meet these requirements, and the unit system of construction provides for a variety of styles and sizes to meet the needs of all types of educational establishments. All models comprise one or more chalkboards arranged to slide in a vertical plane on metal guides mounted on each side of the board. The guides also house Unique Spiral Balances which balance the weight of the boards at every point of travel. The sliding and balancing units are fixed to the wall by means of aluminium brackets, and the boards themselves can be quickly removed or refitted without disturbing any of the balancing or sliding mechanism.

In most models chalk troughs are fitted at the bottom of the boards, as well as lifting handles.



The unit system provides for extensions, and it is a simple matter to add further units or change over to another model. The various models incorporate special features, as for instance models 5 and 6, where the wing boards can swing through 180 deg to bring the rear sides into use. For technical work, a fixed but quickly removable T square can be supplied. All boards have chalking surfaces on both sides and can be reversed in a few minutes, thus giving double life. In accordance with the recommendations for a colour reference system, the Archrome (Munsell) range of colours has been adopted for the chalking surface and surrounding metal work.



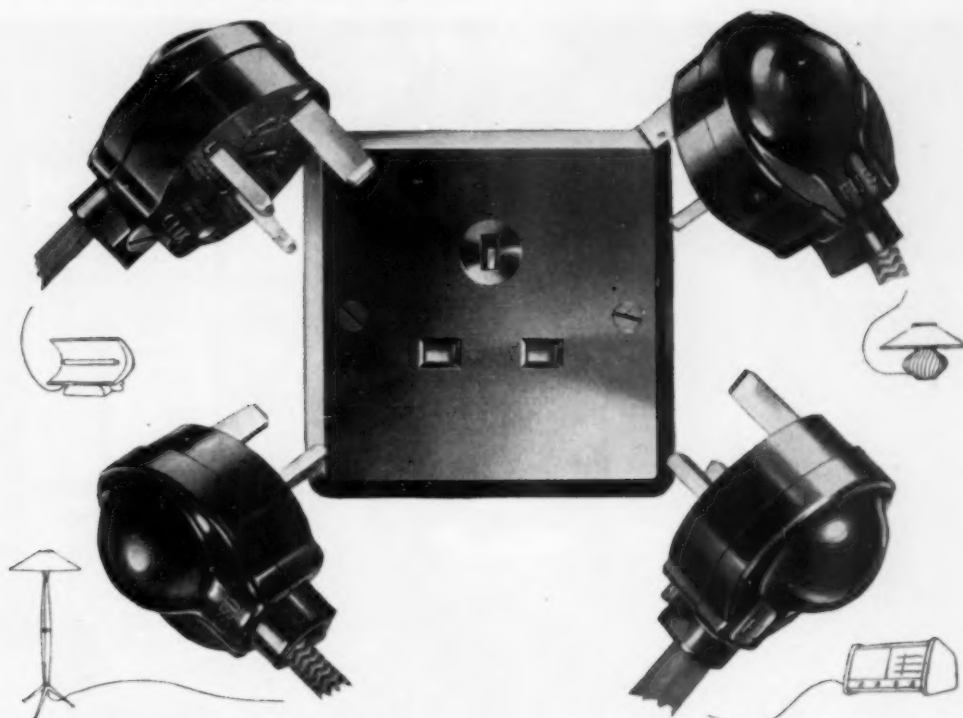
- **The Story of Coryton** from the Vacuum Oil Co., Ltd., Caxton House, Westminster.

"The Story of Coryton," the Vacuum Oil Company's latest film, was produced by Verity Films, Ltd., in association with the Film Producers' Guild. The construction story the film unfolds is a dramatic one, and in telling it pictorially the producer, Mr. J. R. Greenwood, also brings home vividly the great complexity and technical ingenuity which an oil refinery represents.

It is a 16-mm film in black and white, and runs for approximately 30 minutes. It was written and directed by Mr. David H. Villiers and the music was composed and conducted by Mr. R. Goodwin. Copies of this film will shortly be available on request from: The Film Library, Sound Services, Ltd., 269, Kingston Road, Merton Park, London, S.W.19. Liberty 4291.

ALSO RECEIVED

- **Everyman's Castle.** By J. G. T. Forbes. Issued by Franey & Co. Ltd., Graham House, Tudor Street, E.C.4. Telephone: Central 5716. Price 1/-.
- **Aero Research Technical Notes.** Issued by the Technical Service Department, Aero Research Limited, Duxford, Cambridge. Telephone: Sawston 187. Free.
- **Corrugated Copper Jointing Strip for Expansion Joints.** Issued by the Imperial Chemical Industries Limited, Metals Division, Kynoch Works, Witton, Birmingham. Free.
- **The Improved Unax and Ammonax Coatings.** Issued by Hall Harding Ltd., London, Stourton House, Dacre Street, S.W.1. Telephone: Abbey 7141/5. Free.
- **The Economy of Employee Feeding.** By H. V. Black, F.R.S.A. Issued by Intel(Caterers) Ltd., 2 Parkshot, Richmond, Surrey. Telephone: Richmond 2288. Price unstated.
- **M.K. Electrical Accessories, 1955.** Issued by M.K. Electrical Ltd., Wakefield Street, Edmonton, London, N.18. Telephone: Edmonton 5151. Free.
- **Symposium on Prestressed Concrete.** Organized by The Cape Regional Committee of the South African Prestressed Concrete Development Group.



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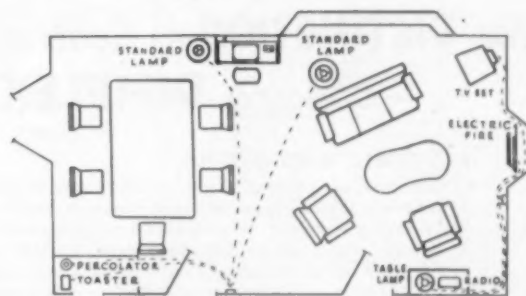
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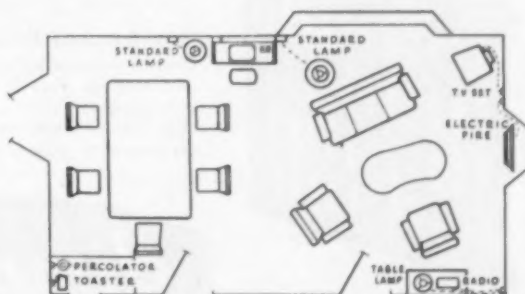
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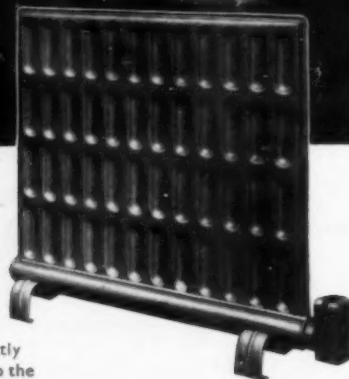


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Eight models available, with choice of feet, castors or wall bracket mountings; colour range as for water models. Loadings, Panel type: $\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{2}$, $1\frac{3}{4}$, & 2kW; Column type: $1\frac{1}{2}$ & 2kW. All normal voltages.



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Special Safety Radiators, gas-tight and Buxton-approved flameproof, details of which will be sent on request.

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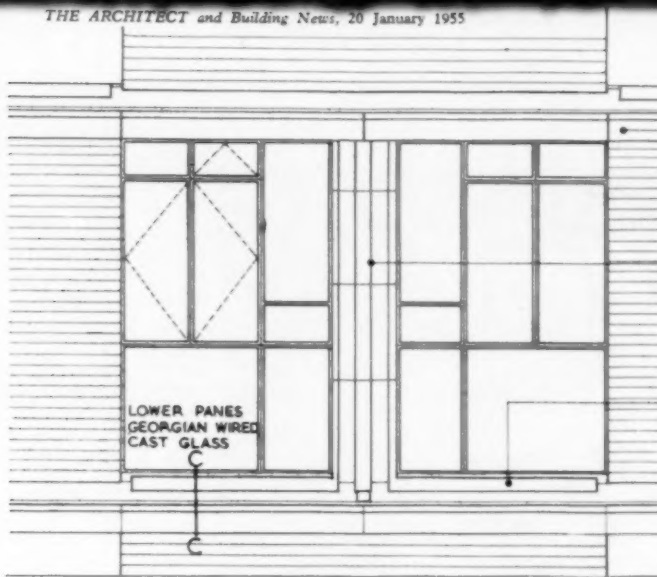
Dimplex radiators are made of heavy-gauge pressed steel—giving ample strength with only one third of the weight of cast iron. They are finished in glossy dust-resisting stove enamel in an attractive colour range. Standard finish is light bronze; Gold, Cream, White, Sky Blue, Silver Grey, Eau-de-Nil & Pink are also available. They are supplied in sections of 5, 6, $7\frac{1}{2}$, 10, 15, 20, & 30 sq. ft.; height either $20\frac{1}{2}$ " or $26\frac{1}{2}$ ".



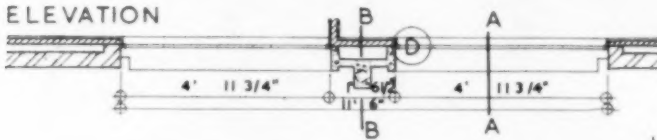
Write for brochures to Dimplex Ltd.,
 Totton, Southampton, Hants. Tel: Totton 2481
 London Showrooms: 17, Shepherd St., W.1. Tel: Gro 1025
 Scotland: A. Caldwell-Young,
 200, St. Vincent St., Glasgow C.2 Tel: Central 4015

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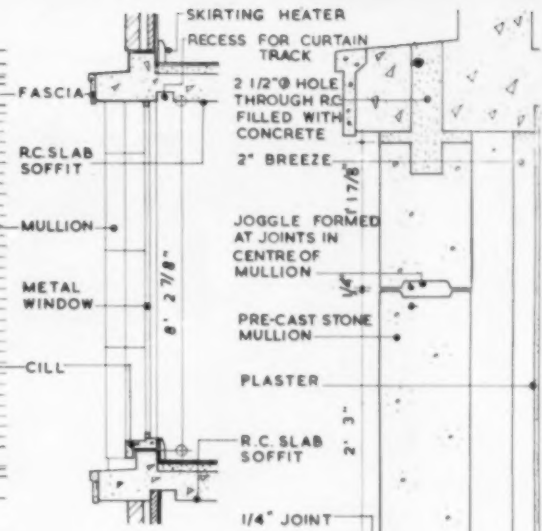
PRE-CAST STONE CILL

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PRE-CAST STONE FASCIA

MASTIC



SECTION A-A

METAL CASING TO HEATER UNIT

CONDENSATION CHANNEL

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2 1/2 Ø" HOLE IN LOWEST MULLION BLOCK & R.C. TO BE FILLED WITH CONCRETE FOR FIXING

D.P.C.

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FIXING GROUNDS CAST IN MULLION

LINE OF CILL

EDGE OF R.C. BEAM

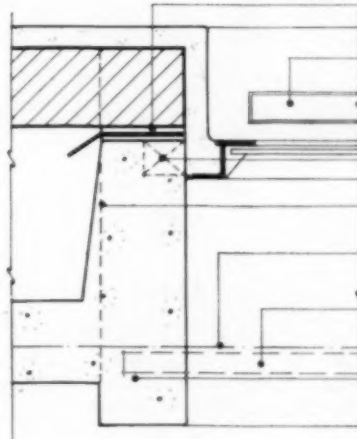
POSITION OF DRIP UNDER CILL

PRE-CAST STONE MULLION (PORTLAND STONE FINISH)

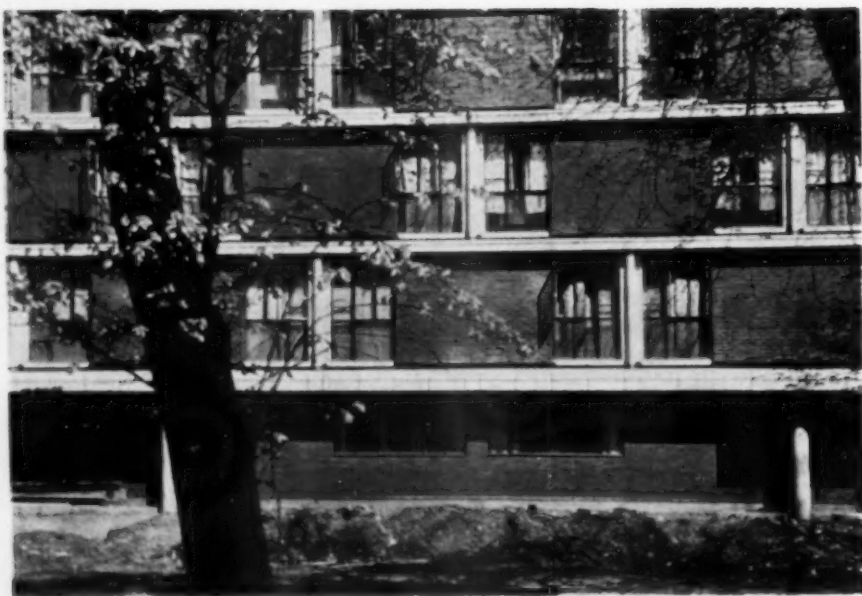
SECTION B-B

• 3/4" TO 1' 0"

SECTION C-C • 1/4 F.S.



DETAIL AT D • 1/4 F.S.



WINDOW DETAIL, BISHOP'S BRIDGE ROAD, 10-STOREY BLOCK
ARCHITECTS: TECTON—DRAKE & LASDUN

The designs for this scheme were produced by the firm of Tecton, partners Messrs. Drake, Lasdun, Lubetkin and Skinner. On the dissolution of the firm of Tecton in November, 1948, Messrs. Drake and Lasdun were appointed Architects for the development and execution of this scheme.

Notes below give basic data of contracts open under locality and authority which are in bold type. References indicate: (a) type of work, (b) address for application. Where no town is stated in the

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BARRY B.C. (1) block of 3 aged persons' bungalows at Lower Pyke Street; (2) block of 3 aged persons' bungalows at Lower Morel Street; (3) block of 4 aged persons' bungalows at Cardiff Road; (4) block of 4 aged persons' bungalows at Dyfan Road. (b) Borough Engineer, Town Hall. (c) 2gns. (e) Jan. 31.

BEDFORDSHIRE E.C. (a) Erection of a "Medway" classroom at (1) Barton Primary School; (2) Oakley Primary School; (3) Southill Primary School. (b) County Architect, Shire Hall, Bedford. (d) Jan. 24.

BENFLEET U.C. (a) 99 dwellings, Parkfields Estate, Thundersley. (b) Council's Clerk, Council Offices, Thundersley. (c) 2gns. (d) Jan. 24.

BRIGHTON B.C. (a) Gymnasium at the Training College. (b) Borough Engineer, 26-30, King's Road. (c) 3gns. (e) Feb. 14.

BRISTOL C.C. (a) Secondary school, Monks Park, Horfield. (b) City Architect, The Council House, College Green, 1. (c) 2gns. payable to Corporation. (d) Jan. 28.

CARMARTHENSHIRE C.C. (a) Adaptation of premises at Ann Street, Llanelli, to form an occupation centre. (b) County Architect, County Hall, Carmarthen. (d) Jan. 22. (e) Feb. 12.

CHESHIRE C.C. (a) Erection of the Lymm, Oughtrington Hall, Grammar School. (b) County Architect, The Castle, Chester. (c) 2gns. payable to Council and cheque crossed Westminster Bank, Ltd. (d) Jan. 22. (e) Feb. 17.

CHESHUNT U.C. (a) 16 dwellings, Brookfield Lane. (b) Council's Clerk, Manor House. (c) £2. (d) Jan. 31. (e) Feb. 21.

CHESTER R.C. (a) 22 houses and 4 flats, Christleton. (b) Council's Architect, 16, White Friars. (c) 3gns. payable to Council. (e) Feb. 14.

CLITHEROE B.C. (a) 52 houses, Little-moor site No. 1. (b) Borough Engineer, Church Street. (c) £2. (e) Jan. 28.

DONCASTER B.C. (a) Contract No. 512. Erection of Phases 1 and 2 of the proposed technical college for further education. Approx. cost £200,000. (b) Borough Architect, 15, South Parade; with details of similar contracts carried out. (d) Jan. 29. (e) Mar. 2.

DURHAM C.C. (a) 24 flats at "The Chains," Gilesgate. (b) City Engineer, Town Hall. (c) 2gns. (e) Feb. 28.

EAST SUSSEX C.C. (a) County Branch Library. (b) County Architect, County Hall, Lewes. (d) Jan. 24. (e) Mar. 7.

address it is the same as the locality given in the heading, (c) deposit, (d) last date for application, (e) last date and time for submission of tenders. Full details of contracts marked ★ are given in the advertisement section.

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ELLESMERE PORT U.C. (a) Contract No. 169. 102 houses at Part 3 of North Whitby Estate. (b) Engineer and Surveyor, Queen Street. (c) 3gns. (e) Feb. 14.

ESSEX C.C. (a) Dining hall and adaptations at Laindon St. Nicholas Lane Primary School. Approx. cost £8,500. (b) County Architect, County Hall, Chelmsford. (d) Jan. 29.

ETON R.C. (a) 18 dwellings, with roads and sewers, etc., Moreland Avenue site, Colnbrook. (b) Council's Clerk, Council Offices, Windsor Road, Slough. (c) 2gns. (e) Mar. 5.

GRANTHAM B.C. (a) 46 houses, Site 6, Belton Lane. (b) Borough Engineer, Guildhall. (c) 2gns. (e) Feb. 11.

ISLE OF ELY C.C. (a) Erection of a 2-storey extension to the County Library, March, and a new fire station at Chatteris. (b) County Architect, County Hall, March, Cambs. (c) 2gns each contract. (d) Jan. 22. (e) Feb. 24.

MITFORD AND LAUNDITCH R.C. (a) Pair of houses at Hockering, pair of houses and a pair of bungalows at Foxley, 2 pairs of houses and 2 pairs of bungalows at Mattishall, with site works. (b) Harold Marsh, 4a, Market Place, Dereham, Norfolk. (c) 2gns.

NEWCASTLE UPON TYNE C.C. (a) 852 flats in 3-storeys on Unit No. 4 of Longbenton Estate. (b) City Architect, 18, Cloth Market, 1. (c) Feb. 10.

NEW FOREST R.C. (a) Alterations to Buttsbridge Farmhouse, near Langdown Croft Estate, Hythe. (b) Engineer and Surveyor, Council Offices, Lyndhurst, Hants. (c) 2gns. (e) Jan. 29.

NEW FOREST R.C. (a) Pair of houses at "Culverley," The Rise, Brockenhurst. (b) Engineer and Surveyor, Council Offices, Lyndhurst, Hants. (c) 2gns. (e) Jan. 29.

N. IRELAND—BELFAST C.C. (a) Erection of a transformer house at Greencastle Pumping Station. (b) City Surveyor's Department (Room 88), City Hall. (c) Jan. 31.

NORTH RIDING E.C. (a) Erection of Cleveland technical college, Redcar. (b) Messrs. Gollins, Melvin, Ward and Partners, 15, Manchester Square, London, W.1. (c) Feb. 14.

NORTHWICH U.C. (a) Erection of a Mortuary, Leicester Street. (b) Engineer and Surveyor, Council House. (c) 2gns. (e) Jan. 31.

NORTHWICH U.C. (a) Alterations and extensions to the Council House. (b) Messrs. Ellery and Wallace, Brockhurst Street. (c) 2gns. (e) Feb. 18.

OXFORD C.C. (a) Erection of the main building of the East Oxford sub-fire station at Horspath Driftway, The Slade. (b) City Architect, Town Hall. (d) Jan. 22.

PORTSMOUTH C.C. (a) (1) 4 flats at Brompton Road, Mile End; (2) 108 houses, Bedhampton, Site 3. (b) City Architect, 1, Western Parade. (c) £1 each contract. (d) Jan. 24.

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PRESTON B.C. (a) Erection of the Ribbleson Hall secondary school. (b) Borough Engineer, Municipal Building. (c) 3gns. (e) Feb. 22.

RICHMOND B.C. (a) 11 lock-up garages at Chisholm Road. (b) Borough Engineer, Hotham House, Heron Court, Richmond, Surrey. (c) 3gns. (e) Feb. 9.

ROCHFORD R.C. (a) 16 houses, Ferry Road, Hullbridge (Contract No. 195). (b) Engineer and Surveyor, Council Offices. (c) Jan. 31.

SCOTLAND—NORTH OF SCOTLAND HYDRO-ELECTRIC BOARD. (a) Site, foundation and building works for the Mybster transforming station, near Halkirk, Caithness. (b) Board's Chief Electrical Engineer, 16, Rothesay Terrace, Edinburgh, 3. (c) £1.

SCOTLAND—WEST LOTHIAN C.C. (a) 44 houses, Bathgate Road, East Lothian; separate trades. (b) County Clerk, County Buildings, Linlithgow. (d) Jan. 29.

SOUTHEND-ON-SEA B.C. (a) Construction of foundations, drainage and sundry works to temporary classrooms at Shoeburyness High School and Southend High School for Girls. (b) Borough Architect, 30, Alexander Street. (c) £2. (e) Feb. 2.

SUTTON-IN-ASHFIELD U.C. (a) 12 bungalows off Hardwick Lane. (b) Messrs. Warner and Dean, Mansfield House. (c) 2gns cheque payable to Council. (d) Jan. 31. (e) Feb. 16.

TRURO R.C. (a) 4 houses at Blackwater, 4 at Mitchell, 12 at Perranporth, 2 at St. Mawes, 4 at Shortlanesend, 4 at Verran. (b) J. H. Snellgrove, 47, Coinagehall Street, Helston. (c) 2gns payable to Council. (e) Feb. 8.

WEST HARTLEPOOL. (a) Erection of the proposed St. Joseph's R.C. school at Musgrave Street, West Hartlepool, for School Managers. (b) T. A. Crawford, 80, Borough Road, Middlesbrough. (c) 5gns. (e) Feb. 14.

WORCESTERSHIRE C.C. (a) Major extensions to Brook Street School, Stourbridge. (b) County Architect, 14, Castle Street, Worcester. (c) 3gns. (d) Jan. 28.

PLACED

Notes on contracts placed state locality and authority in bold type with (1) type of work, (2) site, (3) name of contractor and address, (4) amount of tender or estimate. † denotes that work may not start pending final acceptance, or obtaining of licence, or modification of tenders, etc.

NORTH WALES. (1) Construction of new Conway Bridge. (2) Conway. (3) Sir William Arrol and Co., Ltd., 85, Dunn Street, Glasgow, S.E. (4) £435,000 cost.

DUDLEY. (1) Secondary school. (2) Simms Lane. (3) J. Hickman and Sons (Brierley Hill), Ltd., Brockmoor, Brierley Hill, Staffs. (4) £116,648.

LONDON, S.W.1. (1) Extensions to Bridge House. (2) Albert Embankment. (3) Holland & Hannen and Cubitts, Ltd., 1, Queen Anne's Gate, London, S.W.1. (4) About £95,000.

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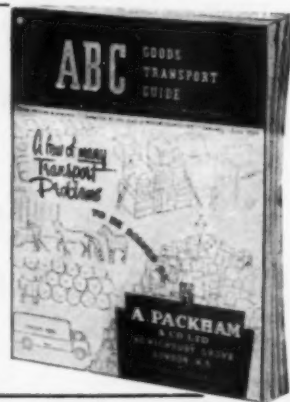
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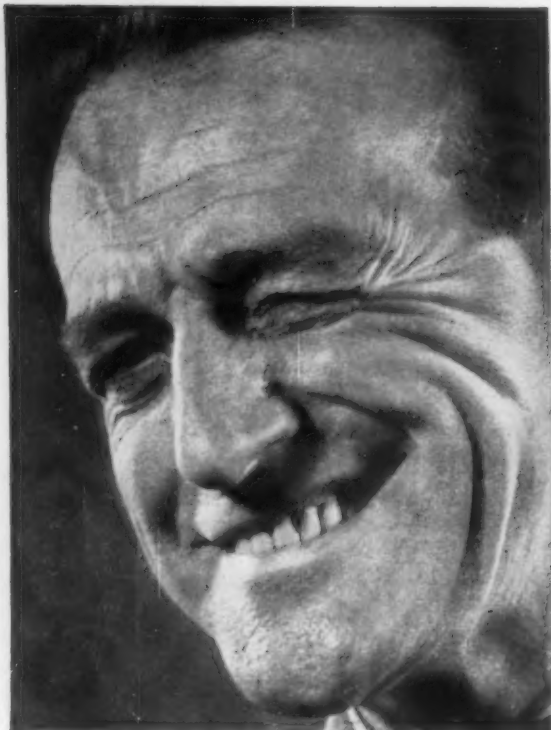
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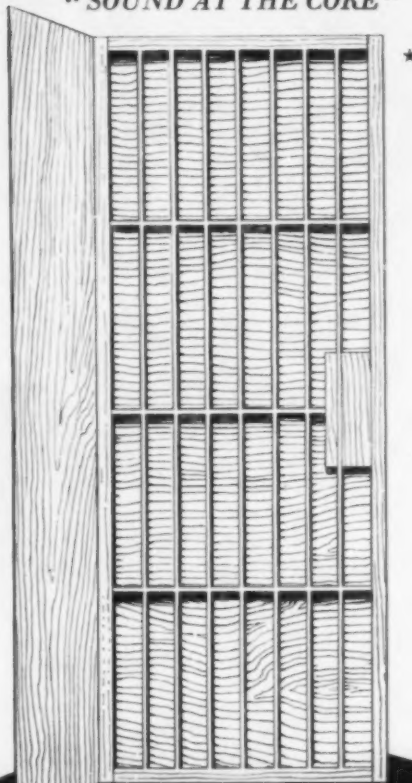


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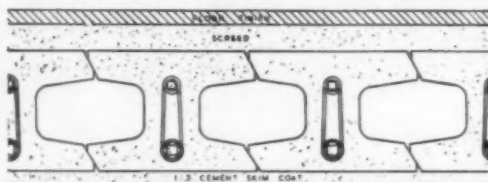
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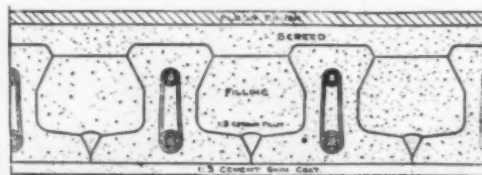
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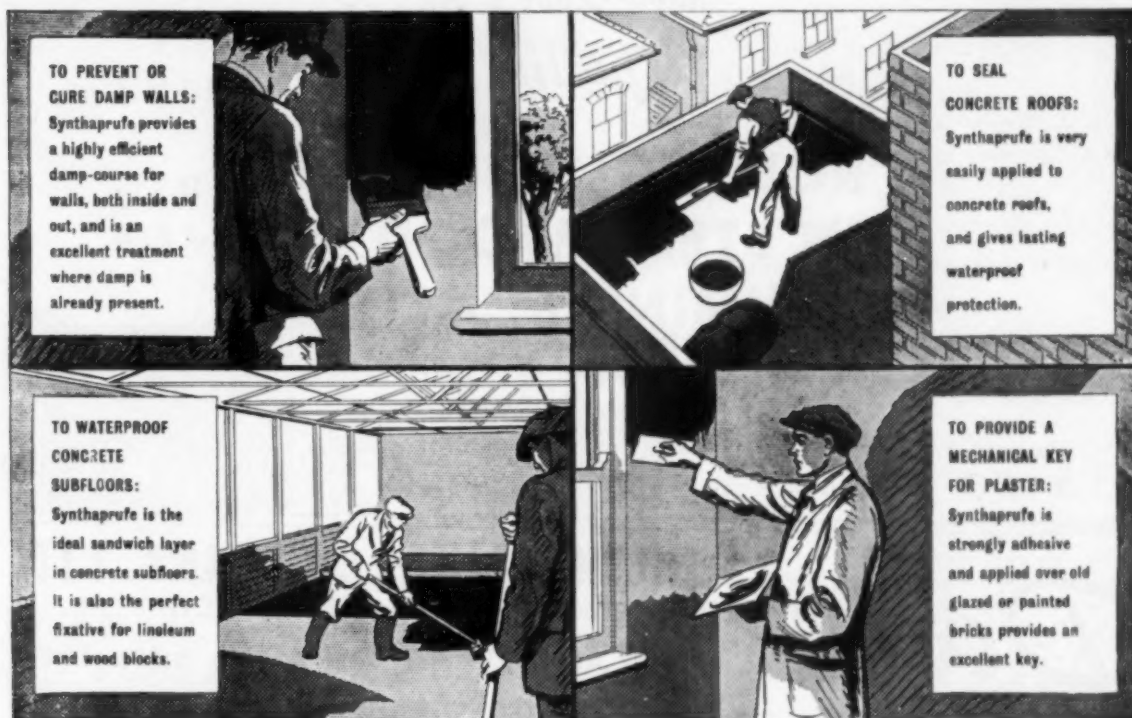
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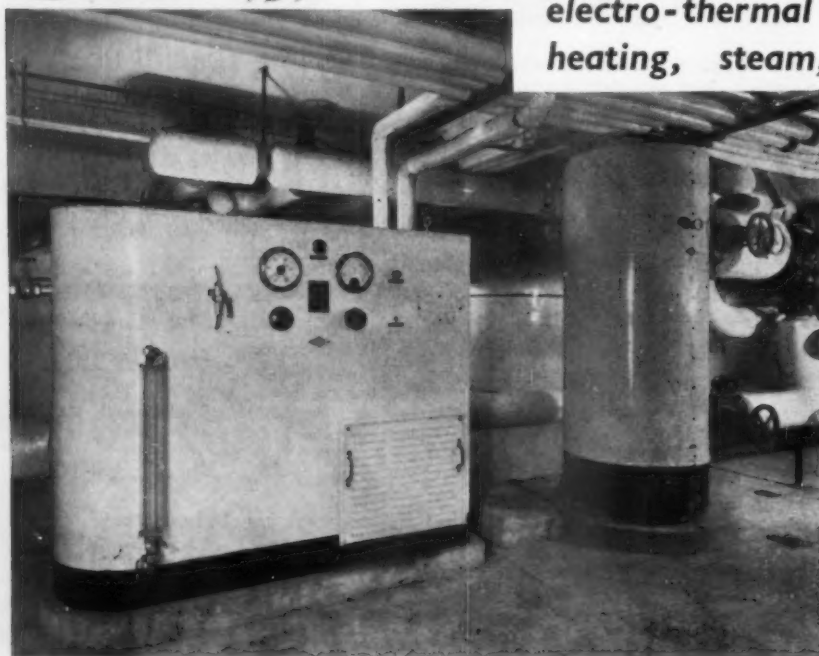
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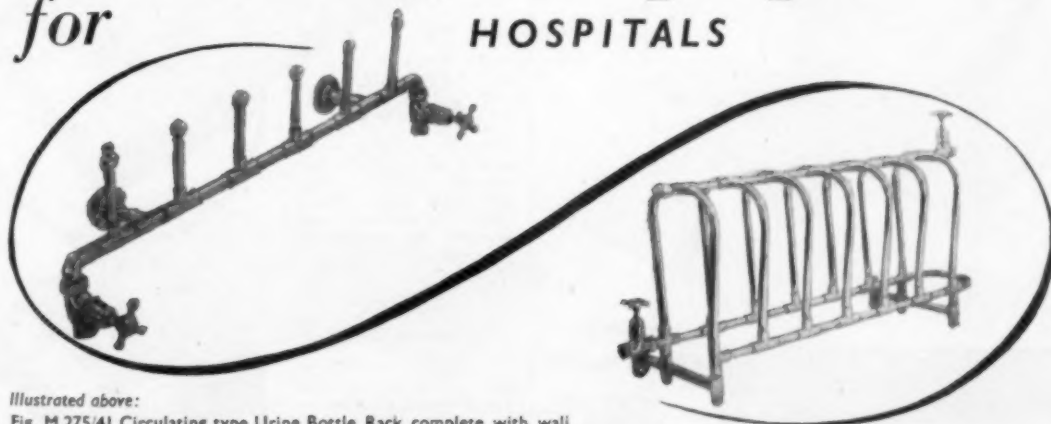


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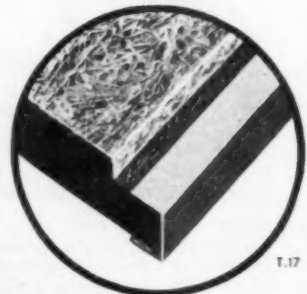


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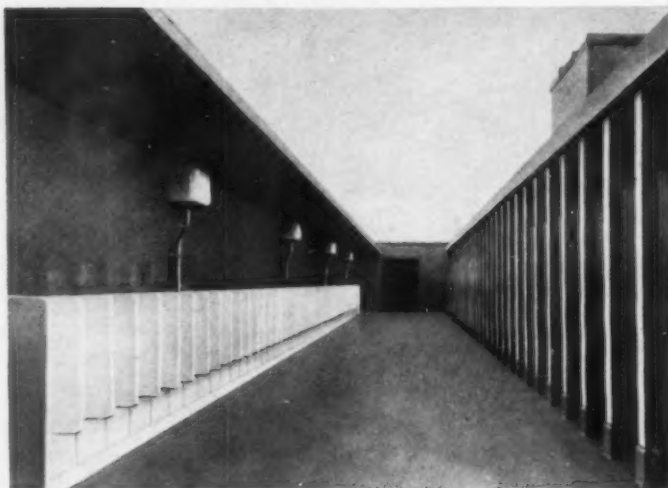
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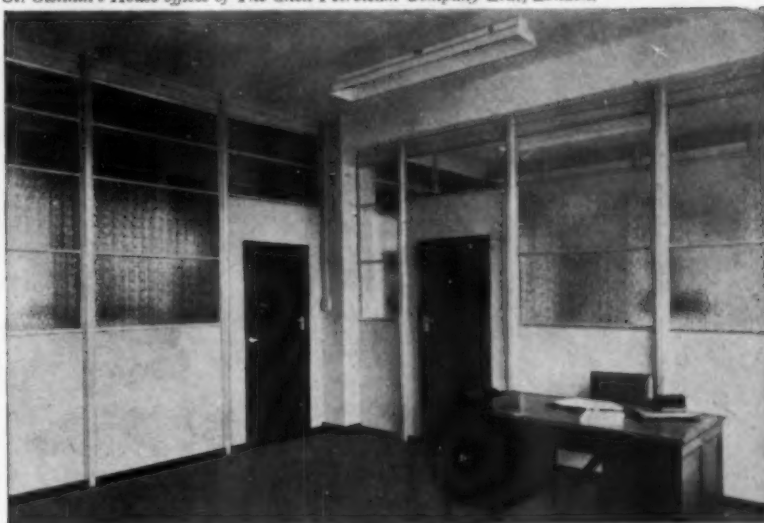
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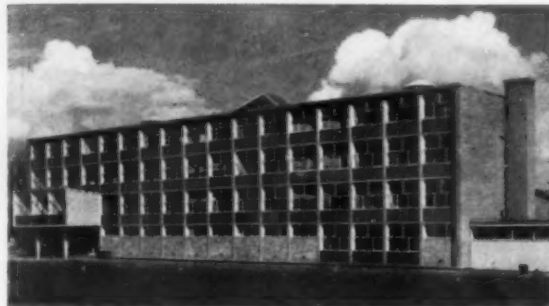
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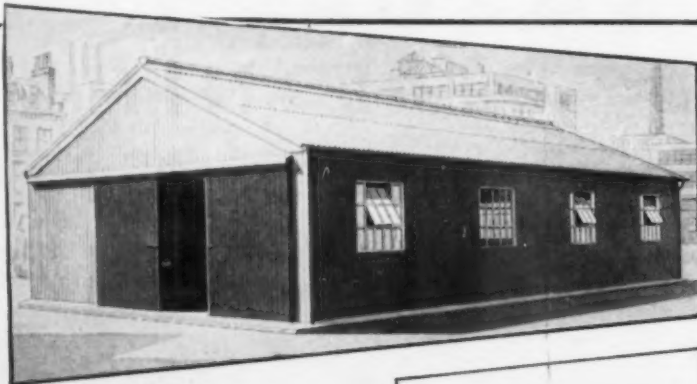
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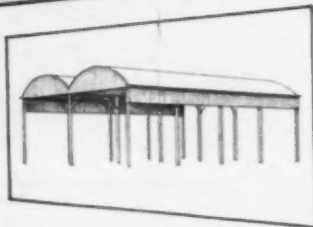
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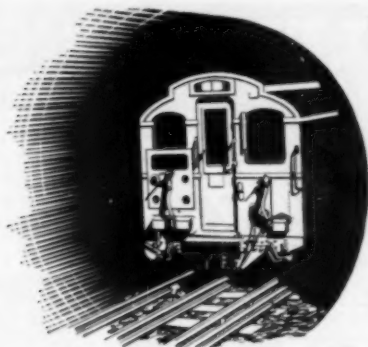


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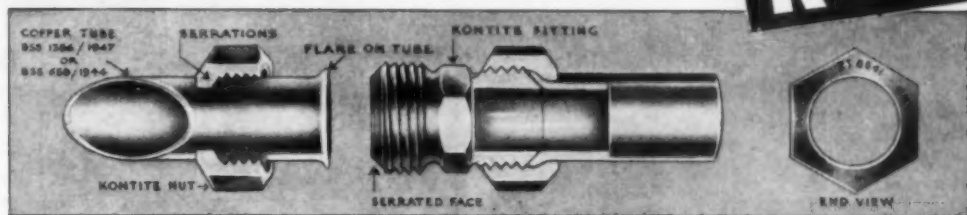
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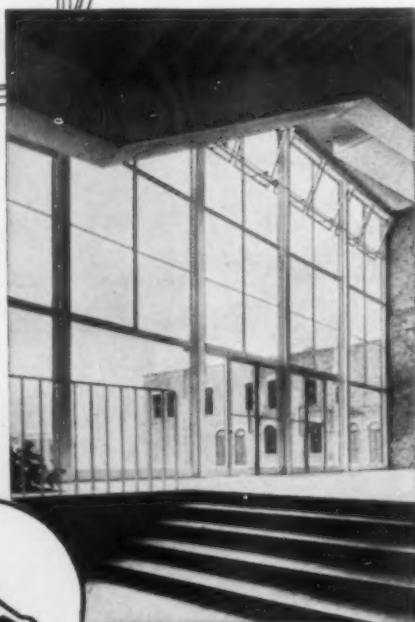
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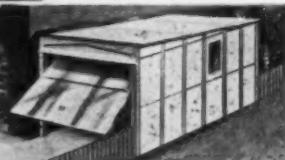
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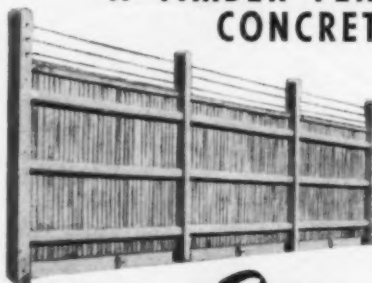
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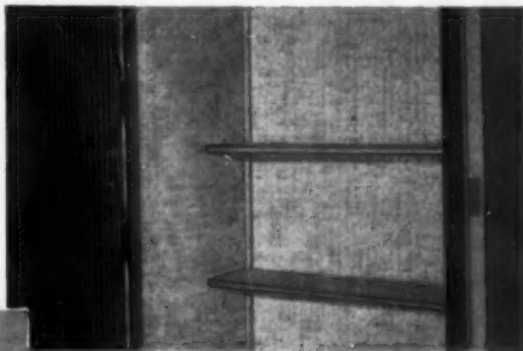


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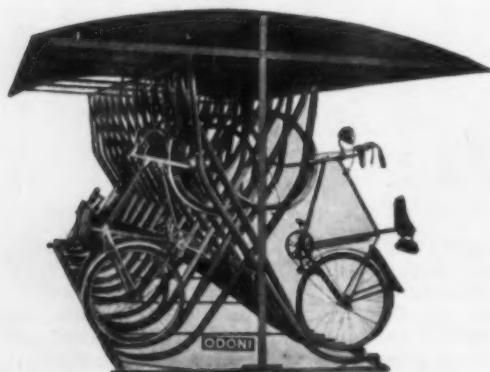
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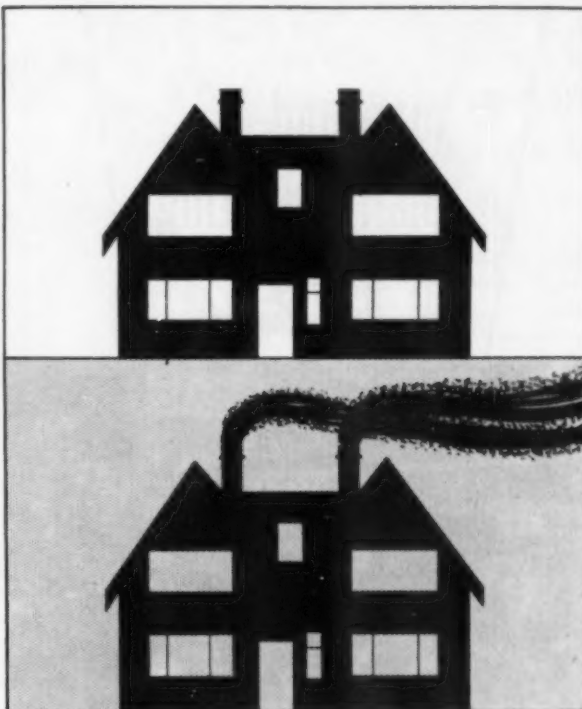
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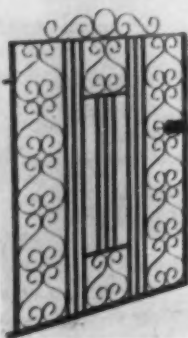
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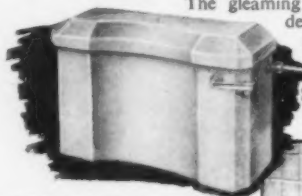
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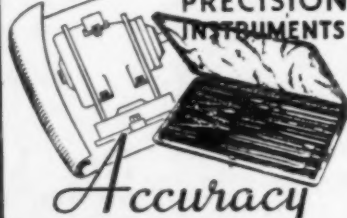


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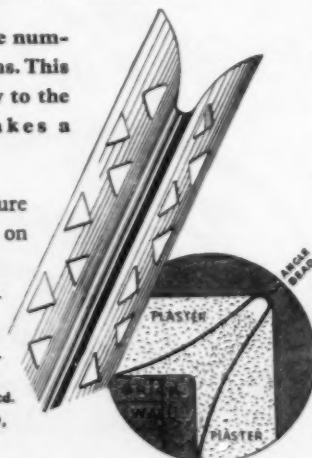
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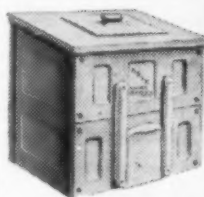
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ASSISTANT COUNTY ARCHITECTS.

APPLICATIONS are invited for two appointments of ASSISTANT COUNTY ARCHITECTS at salaries within the range £1,412 10s-£1,780 a year, according to qualifications and experience.

Candidates must be Fellows or Associates of the Royal Institute of British Architects and have had wide experience in the practice of architecture.

Further details and form of application obtainable from the County Architect, Springfield, Maidstone, to whom applications must be returned by not later than February 11th, 1955. [8668]

AYCLIFFE DEVELOPMENT CORPORATION.

JUNIOR ARCHITECTURAL ASSISTANT A.P.T. NEW GRADE II (£560-£640).

APPLICATIONS are invited for the above appointment.

Candidates should have passed the R.I.B.A. intermediate examination and have had two years' office experience.

Appointment subject to N.I.C. Conditions, superannuation and medical examination.

Housing accommodation if necessary. Applications, stating age, experience, details (including salaries) of present and former employment and addresses of two referees, should be forwarded before 28th January, 1955.

A. V. WILLIAMS,
General Manager.

Newton,
Aycliffe. [8683]
Co. Durham.

CITY OF OXFORD EDUCATION COMMITTEE.

COLLEGE OF TECHNOLOGY, ART AND COMMERCE.

Appointment of FULL-TIME STUDIO YEAR MASTER.

ARCHITECTURE AND BUILDING DEPARTMENT

APPLICATIONS are invited from suitably qualified architects, preferably those holding the Degree or Diploma of a Recognized School, or from holders of the A.R.C.A. with some Architectural experience, for the above-named post. Duties include studio work and some lecturing to students in the Diploma and part-time courses.

Salary in accordance with Grade B, Burnham Technical Award, i.e. (men) £525 x £25 (11) x £20 £820 per annum with additions for degree or equivalent and appropriate training and increments for approved teaching and/or professional experience.

Forms of application and further particulars may be obtained on receipt of a stamped addressed foolscap envelope from the Chief Education Officer, 77/79, George Street, Oxford, to whom completed forms should be returned within 14 days of the date of the appearance of this advertisement. [8688]

BERKSHIRE COUNTY COUNCIL.

ARCHITECTURAL ASSISTANT. Grade II (£560-£640). Candidates should have had office experience and have reached R.I.B.A. Intermediate standard or have recently completed a recognized architectural course. Opportunity will be given to obtain a varied experience in Local Government work.

Application forms and further particulars can be obtained from the County Architect, Wilton House, Parkside Rd., Reading, to whom they should be returned by Wednesday, 26th January, 1955.

E. R. DAVIES,
Clerk of the Council. [8687]

AIR Ministry require in London, Provinces and overseas Architectural Assistants in works department design branch experienced in planning/preparation of working drawings and details for permanent and semi-permanent buildings; salaries up to £810 p.a. for men, £690 for women; starting pay dependent upon age, qualifications and experience; extra duty allowance or overtime payable; promotion prospects; posts non-pensionable with long-term possibilities; natural born British subjects only.—Write, stating age, qualifications, employment details, including type of work done, to Ministry of Labour, 236, Walworth Rd., London, S.E.17, quoting Order 81. [8706]

CITY OF BIRMINGHAM.

CITY ARCHITECT'S DEPARTMENT.

APPLICATIONS are invited for the appointment of ASSISTANT ARCHITECT on the new Grade A.P.T. V (£750/£900 per annum) in the Schools Section.

A large major School Building Programme is being carried out by this Section, and applicants should have an extensive knowledge of the planning, design and erection of all types of school buildings in both traditional and new traditional construction.

Applicants must be Associate Members of the R.I.B.A., or hold an equivalent qualification.

The post is permanent, superannuable, subject to a medical examination and to one month's notice on either side.

Applications, endorsed with the heading of the post, stating age, present position and salary, qualifications and experience, together with the names of two persons to whom reference can be made, should reach the undersigned not later than 29th January, 1955.

Canvassing disqualifies.
A. G. SHEPPARD FIDLER,
City Architect.

Civic Centre, Birmingham, 1. [8707]

OFFICE OF THE RECEIVER FOR THE METROPOLITAN POLICE DISTRICT.

APPLICATIONS are invited for unestablished appointments as LEADING ARCHITECTURAL ASSISTANTS in the Architect and Surveyor's Department. The work is concerned with the design and construction of police dwellings and buildings and candidates will be required to work in the Westminster area.

Rates of pay:—
Men: £665 x £20—£755 x £25—£780.
Women: £580 x £20—£640 x £25—£665.

* The scales quoted are subject to an increase of approximately 3 per cent while a 454-hour week is being worked and also to the addition of a Pay Supplement of £25 or £30 per annum according to the point reached on the scale.

Conditioned hours, 44 per week.
Annual leave, 24 days.

Application forms from the Chief Architect, Architect and Surveyor's Department, New Scotland Yard, London, S.W.1, marking the envelope "Architectural Assistants." [0632]

COUNTY BOROUGH OF BURY.

APPLICATIONS are invited from suitably qualified persons not over 45 years of age for the position of Senior Quantity Surveyor in the Borough Engineer's Department at a commencing salary within Grade A.P.T. IV (£675-£825). The appointment is superannuable and subject to medical examination.

Applications stating age, details of training, qualifications and experience, together with the names and addresses of two persons to whom reference may be made must reach me not later than 31st January, 1955.

EDWARD S. SMITH,
Town Clerk.

Town Hall, Bury.
14th January, 1955. [8697]

LANCASHIRE COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

APPLICATIONS are invited from suitably qualified applicants for the following permanent appointments:—

- Senior Assistant Architect A.P.T. Grade VI (£825-£1,000), for a programme of Police Stations and Magistrates' Courts. Applicants should be interested in contemporary design.
- Senior Assistant Architect A.P.T. Grade V (£750-£900), for general work, in particular Fire Stations and Hostels for the Aged. Applicants should be interested in contemporary design.
- Senior Assistant Architects (2), A.P.T. Grade V (£750-£900), for a large programme of additional classrooms and similar work for existing schools. Applicants should be thoroughly practical architects.
- Assistant Architect A.P.T. Grade III (£625-£675), for general work, in particular Clinics and Smallholdings, etc.

Application forms, to be returned by Monday, January 31, 1955, obtainable from the County Architect, P.O. Box No. 26, County Hall, Preston. [8703]

APPOINTMENTS—contd.

WALTHAMSTOW COMMITTEE FOR EDUCATION.

ARCHITECT'S DEPARTMENT.

APPLICATIONS are invited for permanent appointments in the office of the Architect to the Committee, Mr. Frank H. Heaven, A.R.I.B.A., A.R.I.C.S., at salaries in accordance with new National Scales as follows:—

(a) ASSISTANT ARCHITECT—Grade A.P.T. 3 (£600 × £25—£725 per annum).

Applicants must be Associate Members of the R.I.B.A., or hold an equivalent qualification and have worked in an Architectural office for a period of at least 3 years.

(b) ARCHITECTURAL ASSISTANT—Grade A.P.T. 2 (£560 × £20—£640 per annum).

Applicants should have passed the R.I.B.A. Intermediate Examination or its equivalent at one of the recognized Schools of Architecture and have worked in an Architectural Office for a period of at least two years.

(c) TWO ARCHITECTURAL ASSISTANTS—Grade A.P.T. 1 (£500 × £20—£580 per annum).

Applicants should have attended a full-time course of Architecture and have passed the R.I.B.A. Intermediate Examination or its equivalent at one of the recognized Schools of Architecture and have worked in an Architectural Office for a period of at least one year.

In addition to the above salaries a London Weighting is payable per annum of £30 if 25 years of age and over, or £20 if 21 to 25 years of age. Application forms to be obtained from and returned to the Borough Education Officer, Town Hall, Forest Road, Walthamstow, E.17, within two weeks of the appearance of this notice. [8695]

COUNTY BOROUGH OF GREAT YARMOUTH EDUCATION COMMITTEE.

APPOINTMENT OF CLERK OF WORKS.
SALARY £12 19s 7d PER WEEK.

APPLICATIONS are invited for the appointment of a Clerk of Works to supervise the erection of the new Girls' High School.

The appointment will be temporary, for approximately 2½ years, and subject to one month's notice on either side.

Applicants must have a thorough knowledge of the building trade, including experience in connection with steel framed buildings.

Applications stating age, qualifications, present employment and previous experience, together with the names of two persons to whom reference can be made, should be enclosed in an envelope endorsed "Clerk of Works" and must be received by me not later than Friday, 28th January, 1955.

Canvassing directly or indirectly will be deemed a disqualification, and candidates must disclose in writing whether, to their knowledge, they are related to any member or holder of any senior office under the Council. Candidates who fail to do so will be disqualified and, if appointed, will be liable to dismissal without notice.

D. G. FARROW,
Chief Education Officer.

22, Euston Road,
Great Yarmouth. [8701]

KENT COUNTY COUNCIL.

ASSISTANT ARCHITECTS.

APPLICATIONS are invited for the following appointments:—

(1) Two ASSISTANT ARCHITECTS at salaries within the range £750-£900 a year.

(2) Four ASSISTANT ARCHITECTS at salaries within the range £675-£825 a year.

Candidates must be Associates of the Royal Institute of British Architects and have had experience in the design and construction of modern buildings. The selected architects will be working in groups.

Further details and forms of application obtainable from the County Architect, Springfield, Maidstone, to whom applications must be returned by not later than February 4th, 1955. [8669]

TENDERS

COUNTY BOROUGH OF BRIGHTON.
EDUCATION COMMITTEE.

TENDERS are invited for the erection of:

A GYMNASIUM FOR THE TRAINING
COLLEGE BRIGHTON

Bills of Quantities and Form of Tender may be obtained from the Borough Engineer & Surveyor, 26/30, Kings Road, Brighton, on or after January 22nd, 1955, on receipt of a returnable deposit of £3 3s.

Tenders are to be delivered to the Borough Engineer & Surveyor's office in plain sealed envelopes not later than 12 noon on February 14th, 1955.

W. O. DODD,
Town Clerk. [8700]

MISCELLANEOUS SECTION

RATE: 1/6d. per line, minimum 3/-, average line 6 words. Each paragraph charged separately.

BOX NOS. add 2 words plus 1/- for registration and forwarding replies which should be addressed c/o, "The Architect & Building News," Dorset House, Stamford Street, London, S.E.1.

PRESS DAY Monday. Remittances payable to Iliffe & Sons Ltd., Dorset House, Stamford Street, London, S.E.1.

No responsibility accepted for errors.

ARCHITECTURAL APPOINTMENTS VACANT

The engagement of persons answering these advertisements must be made through the local office of the Ministry of Labour and National Service, etc., if the applicant is a man aged 18-64 or a woman aged 18-59 inclusive, unless he or she or the employer is exempted from the provisions of The Notification of Vacancies Order, 1952.

ASSISTANT. Inter standard, immediately.—Musman & Cousins, 12, Upper Berkeley St. W.1. [8693]

YOUNG qualified Architect interested in light steelwork required by company engaged in steel construction. Full details of age, experience, etc., to Box 1187, c/o A. & B.N. [8691]

WEST End firm of architects require senior and junior staff with office experience and interest in contemporary architecture. Capable working drawings essential.—Box 0977, c/o A. & B.N. [8666]

ADAMS, HOLDEN & PEARSON require senior and junior Architectural Assistants immediately.—Write giving particulars of experience and salary required to 38, Gordon Square, W.C.1. [8711]

EXPERIENCED Architectural Assistant required for licensed houses, schools and factory work generally.—Reply in writing giving full particulars and salary to Eberlin & Darbyshire, F.R.I.B.A., 3, College St., Nottingham. [8705]

REQUIRED urgently for London private practice, capable Architectural Assistants, Senior and Intermediate standard.—Apply stating age, qualifications, experience and salary required, to Box 1186, c/o A. & B.N. [8690]

SENIOR Assistant required in busy London office for good working drawings, site visits, etc., varied general experience essential; salary proportionate with qualifications.—Write giving full details to Box 1053, c/o A. & B.N. [8672]

PROGRESSIVE West End office requires Architectural Assistants, R.I.B.A. Intermediate standard or equivalent; preference given to those interested in contemporary design; pension scheme.—Box 1188, c/o A. & B.N. [8692]

ARCHITECTURAL draughtsmen required by Ilford, Ltd., for staff architect's office, applicants should have completed at least one year's office experience.—Apply in writing, stating age, training and experience to Ilford, Ltd., Romford, Essex. [8670]

ARCHITECT required by Granada Theatres, Ltd. Ability to design buildings, prepare full working drawings and specifications, essential. Write giving age, qualifications, experience and salary required to Managing Director, 36, Golden Square, W.1. [8694]

T. H. THORPE & PARTNERS, of 41, Friar Gate, Derby, require Senior Assistant Architect, and offer a good salary, excellent prospects, and interesting work under ideal conditions in exchange for ability, experience and the will to accept responsibility. [8699]

A VICTORIA office requires both junior and intermediate grade Architectural Assistants. Applicants should be interested in planning for modern industry, the presentation of schemes and the working up of details, etc.—Please reply stating previous experience and salary required to Box 0965, c/o A. & B.N. [8662]

ASSISTANT Architect of some years good office experience and accustomed to site control and responsibility required for Manchester office; R.I.B.A. qualification desirable; interesting post with wide range of work for man of initiative and capacity.—Please give details of education, experience and salary required to Harry S. Fairhurst & Son, Chancery Chambers, 55, Brown St., Manchester, 2. [8708]

ARCHITECTURAL Assistant required by A.B.C. in London for work on design of studio, transmitter and office premises; candidates must be A.R.I.B.A. with considerable experience in building surveys, general planning and preparation of drawings, specifications, etc.; salary £870 (or higher if qualifications exceptional) rising by five annual increments to £1,175.—Requests for application forms to Engineering Establishment Office, Broadcasting House, London, W.1, within seven days quoting ref. E.90/A.B.N. [8704]

ONE qualified Architectural and one Town Planning Assistant required for London and tropical practice. Some experience desirable but unessential. Preferably single, man or woman, or professional married couple, 18 months initial period overseas, opening with prospects for initiative and adaptability. Good salary, living, travel and leave allowances. Car. Architectural applicant must be prepared to leave England at earliest date, Town-planner in March.—Box 1189, c/o A. & B.N. [8698]

SENIOR Architectural Assistant required for work in prefabricated timber housing department; applicants should be able to control and organize work in drawing office and also undertake preparation and supervision of production drawings, good opportunity for a man with contemporary outlook and interest in new developments; staff pension scheme operated.—Apply in writing giving full details of experience, salary required, etc., to the Housing Director, H. Newsom Sons & Co., Ltd., Carclime Rd., Lincoln. [8686]

IMPERIAL CHEMICAL INDUSTRIES, Ltd., has a vacancy for an Architectural Assistant to work in their London office; candidates should be Associate Members of the R.I.B.A. between the ages 25-35 and should have a thorough knowledge of architectural works, particularly in regard to the design and construction of offices, canteens, laboratories, housing and warehouses.—Applications, stating age, qualifications and experience, should be sent to Head Office & Regions Staff Department, Imperial Chemical Industries, Ltd., I.C. House, Millbank, S.W.1. [8709]

PARTNERSHIP

FINANCIAL assistance may be provided in approved cases for the purchase of a partnership in established architects' practices, with insurance endowment.—Chase Agencies, Ltd., 325, Chase Road, N.14. Tel. 4467/8. [8696]

SITUATIONS VACANT

ASSISTANT required in busy practice in West End, in early '20s, about intermediate R.I.B.A. standard; excellent opportunities for gaining all-round experience.—Box 0672, c/o A. & B.N. [8636]

EXPERIENCED Reinforced Concrete Designers and Architectural Draughtsmen required by large Building and Civil Engineering Contractor. Permanent employment and good prospects for suitable candidates.—Apply Box 1052, c/o A. & B.N. [8673]

SITUATIONS WANTED

YOUNG man (24), 6 years' exp. bldg. industry, last 3 as rep., seeks postn.; own car.—Box 1268, c/o A. & B.N. [8704A]

FINANCIAL

FINANCE available for Builders. For purchase of land 75 per cent of value. For road making 80 per cent of cost. Building finance in stages, 80 per cent of cost.—Send brief details of properties in first place to Box 1058, c/o A. & B.N. [8679]

FOR SALE

WE specialise in white and coloured urinal sets. Let us quote you.—Thos. Lord, Ltd., Mitella Street, Burnley. [0149]

JOINTLESS composition flooring in attractive colour range—quotations free.—Full particulars from the Litex Asbestos Flooring Co., Ltd., 3, Corbetta Passage, London, S.E.16 (Dept. A), Bermondsey 4341-2-3. [8622]

ALL hardwood mouldings, plain and embossed, embossed ornaments and dowels; send for catalogue and to-day's lowest trade prices.—Dareve's Moulding Mills, Ltd., 60, Fownall Road, Dalston, E.8. Clissold 1543/4. [0142]

INSURANCE

ARCHITECTS' Indemnity Insurance effected.

Please write for Proposal Form to

E. J. SAXBY, Incorporated Insurance Broker,
37a, Carfax, Hortham, Sussex. Tel. 990. [8549]

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